



WHERE BUSINESS AND THE ENVIRONMENT CONVERGE

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12 September 2011  
ECS Document # 08-205353.00

Ms. Kimberly Tisa  
EPA – New England Regional Administrator  
ATTN: PCB Coordinator  
U.S. Environmental Protection Agency – New England  
5 Post Office Square, Suite 100  
Mail Code OSRRO7-2  
Boston, MA 02109-3912

RE: TSCA Self-Implementing Cleanup Notification  
**Revision #1**  
Green Mountain Power: Plant # 4 Buildings  
Montpelier, Vermont  
(VT DEC SMS Site# 98-2562)

Dear Ms. Tisa:


On behalf of Green Mountain Power Corporation (GMP), Environmental Compliance Services, Inc. (ECS) is submitting revisions to the Self-Implementing Cleanup Notification (Notification) following EPA comments on 8/10/11 for GMP's Plant #4 Buildings located on Gallison Hill Road in Montpelier, Vermont (herein referred to as the Site). Clay Point Associates, Inc. (CPAI) has been involved in Site Characterization and will be designing and monitoring all aspects of building demolition in accordance with the Notification.

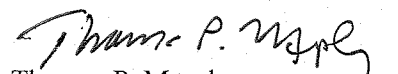
Per your comments, the figures were revised to contain building material indicators and PCB concentrations at sample locations. In an effort to keep the figures legible, the sample numbers were removed. If EPA requires figures with both sample number and PCB concentration, these can be easily submitted for this review. Please let us know.

The planned schedule for PCB remediation activities is to implement the remedy immediately following EPA's review and approval of this revised Notification. GMP is eager to begin work on this project. An expedited approval would be greatly appreciated to keep this project schedule moving forward.

If you have any questions regarding the information contained in this submittal, please contact the undersigned at (802) 241-4131.

Sincerely,  
ENVIRONMENTAL COMPLIANCE SERVICES, INC.

  
Laura L. Woodard  
Hydrogeologist

  
Thomas P. Murphy  
Senior Scientist/Project Manager

cc. John Tedesco – Green Mountain Power (electronically)  
Todd Hobson – Clay Point Associates, Inc.  
Gerold Noyes – VTDEC



**TSCA SELF IMPLEMENTING  
CLEANUP NOTIFICATION  
REVISION #1**

**GREEN MOUNTAIN POWER  
PLANT NO. 4 BUILDINGS  
MONTPELIER, VT**

***Prepared for:***  
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**Project No. 08-205353.00**  
**VTDEC SMS No. 98-2562**  
**September 2011**

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A large, stylized silhouette of a tree is centered on the left side of the page. The tree is dark green and stands against a lighter green background that features a large, light-colored circular shape. Below the tree, the text 'WHERE BUSINESS AND THE ENVIRONMENT CONVERGE' is written in white capital letters.

**WHERE BUSINESS AND THE ENVIRONMENT CONVERGE**

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## INTRODUCTION

This Notification has been prepared in accordance with Toxic Substance Control Act (TSCA) Self-Implementing Cleanup Regulations codified under 40 CFR 761.61(a). A certification stating the availability of relevant sampling and analytical procedures used to characterize polychlorinated biphenyl (PCB) contamination at the Site in conformance with 40 CFR 761.61(a)(3)(E) is included as Appendix A. Appendix B includes a copy of the "Notification of PCB Activity Form" (EPA Form 7710-53).

A Site Locus Map is included as Figure 1 showing the general location of the Site and surrounding geographic features and a Site Plan showing site features is included as Figure 2.

## BACKGROUND

The site is a former hydroelectric generating station and transformer repair and maintenance facility situated on approximately two acres. The facility has not been used for generation of electricity since the late 1960s, and the main building has been vacant since approximately 1990. Electricity was generated by two hydroelectric turbines and one coal-fired vertical steam turbine.

There are two structures on the site consisting of an intact 3,000 square foot existing building (herein referred to as Main Building), which housed the former transformer repair and storage facility; and a remnant 3,000 square foot building foundation and partial walls (herein referred to as Former Generating Station), where the penstock entered the facility. A portion of the penstock remains onsite. Historic activities performed at the Site included hydroelectric power generation, transformer repair and upgrades, storage of transformer oil, storage of transformers, and transformer filtering operations.

Initial environmental investigations at the site started in 1998 and continued through 2002. The investigations were performed by Twin State Environmental Corporation (TSEC) and Verterre Group, Inc., and consisted of sediment, soil and groundwater sampling and analysis, and limited building material analysis. ECS continued to characterize and remediate PCB-contaminated soils at the site between 2007 and 2011, which is ongoing under a separate Notification and EPA Approval process (Approval dated 5/9/08).

According to a 1999 Supplemental Site Investigation by TSEC, during a fire in the mid 1950's, a loading dock, located on the east side of the main building, collapsed. This loading dock was destroyed in the fire and transformers stored on the loading dock fell to the ground. Two exterior brick samples were collected by TSEC for dioxin and furans by UP EPA Method 8290. Dioxin compounds were detected at concentrations below industrial standards. PCBs were not analyzed at these sample locations.

The first floor of the Main Building consists of concrete floors and eight foot high concrete walls. There are two rooms in the northwest part of the building that are constructed out of homosote walls with wood framing. A work bench with ventilation hood, wooden shelving for storage, and a metal-fenced electrical area are present in the northwest corner of the building. The north wall in the northeast portion of the building reportedly contained the drum storage area. This part of the building is open space, where a crane was utilized to lift transformers and equipment up to the second floor for repair/maintenance.

The wooden stairs to the second floor loft are located along the east wall. At the top of the stairs are double doors that formerly opened to the exterior loading dock. The second floor consists of wood decking and brick walls that extend from the concrete base of the building. The walls are constructed with three layers of brick for thickness. There is significant oil staining observed in the wood decking in the northwest part of the building on the second floor. The crane and some related machinery still exist in

the building. A room was partitioned off in the southwest corner of the second floor with plywood and homosote. A work bench is present in this space. No oil staining was observed.

The third floor loft is located above the second-floor partitioned room in the southwest corner of the building and appears to have been used as storage for electrical components, fuses, meters, etc. There are wooden shelves and items still present in this space. The ceiling is composed of wood decking, with the exception of a new section of metal roof that was installed after a fire in the 1970s.

The adjacent former generating station consists of a remnant concrete foundation and partial concrete walls extending eight feet high. This structure does not have a roof or any contents. Vegetation has grown up through the cracks in the concrete and along the walls.

## BUILDING CHARACTERIZATION

Clay Point Associates, Inc. (CPAI) started the initial building characterization in July 2008, by collecting 29 concrete samples of the floor and walls in the Main Building. Samples were collected in accordance with 40 CFR 761 Subpart N using the EPA Region I Standard Operating Procedure for Sampling Concrete in the Field guidance document. Concrete samples were submitted to Certified Environmental Services, Inc. (CES) of Syracuse, NY for analysis of PCBs using US EPA Method 8082 with sonication extraction (EPA Method 3500B). **Per comments from the EPA on August 10, 2011, ECS and CPAI resampled 13 floor samples (0-0.5 inches) and 1 wall sample in accordance with the EPA Region 1 Standard Operating Procedure for Sampling Porous Surfaces for PCBs, revised May 5, 2011. ECS and CPAI collected 11 additional floor samples (0-0.5 inches) during the resampling event on August 18, 2011. The data obtained in 2008 is not being utilized as part of this Notification.**

ECS and CPAI collaborated and collected **154** building material samples for analysis of PCBs in accordance with 40 CFR 761 Subpart N between February and **August** 2011, as follows:

- **40** concrete floor/wall samples from 0 to 0.5 inches
- **18** concrete floor/wall samples from 0.5 to 1 inches
- 38 concrete floor/wall samples in the Former Generating Station building
- 12 wooden beam/column samples
- 2 roof wooden deck/beam samples
- 7 wood decking and stair tread floor samples
- 3 plywood floor samples
- 2 masonite workbench samples
- 3 baseboard/door frame samples
- 6 homosote<sup>1</sup> wall samples
- 4 composition board wall/ceiling samples
- 17 brick/mortar samples
- 1 paint chip sample
- **1 crane oil sample**

These samples were submitted to Phoenix Analytical Laboratories, Inc. (Phoenix) of Manchester, CT for analysis of PCBs by US EPA Method 8082 following Soxhlet Extraction Method 3540C.

ECS/CPAI implemented the following sample identification protocol for this investigation:

- All sample IDs began with the date, with the exception of samples collected on 5/2/11,

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<sup>1</sup> Homosote is a cellulose-based fiber wall board made from recycled paper that is compressed under high temperature and pressure and held together with glue.

- The second component of the ID is the consultant project number,
- The third component of the ID was an overall consecutive sample number.

An example is: 0225119274.70 [date – project number 9274 – consecutive sample 70]. Samples collected on 2 May 2011 did not utilize this sampling identification; however, the consecutive sample numbers are chronological with the other site samples. Sample dates are clearly identified on all data summary tables. Sample locations and analysis results are presented on Figures 3 through 6.

Bulk building material sample locations were spatially located in close proximity to observed staining or work areas where it was presumed that oil-filled electrical components were stored or repaired. Brick and beam samples were often collected close to the floor in oil-stained areas, in the event that oil was splashed onto the vertical surfaces. **Volume estimates of building materials are as follows: approximately 1,600 cubic yards (yd<sup>3</sup>) of concrete floors and walls, 3,000 yd<sup>3</sup> of brick and mortar, 50 yd<sup>3</sup> of wall board, 1,500 yd<sup>3</sup> of wood (including beams, decking, framing, shelving, and stairs), and 1,000 yd<sup>3</sup> of steel (steel beams and roofing). The building is constructed of three layers of brick, with a great majority of the volume being the middle layer and the exterior brick (with the exception of the former loading dock area on the east wall) not in proximity to PCBs released in the building.** The sampling frequency was deemed sufficiently comprehensive in areas with a high likelihood of spilled or stored oil.

Based on the results of the building materials characterization sampling, **two concrete floor samples and the interior building materials, primarily the wood floor decking, work benches, homosote (wall board) and painted wood, contained the highest PCB concentrations, two of which were >500 milligrams per kilogram (mg/kg) and four of which were >50 mg/kg.** A summary table of Interior Bulk Sample Locations and PCB concentrations is presented as Table 1.

Structural building materials, such as bricks, concrete, and beams/columns, were consistently at PCB concentrations <50 mg/kg, **with the exception of two concrete floor samples with PCB concentrations >500 mg/kg.** A summary table of Structural Bulk Sample Locations and PCB concentrations is presented as Table 2. All PCB Bulk Sample Locations are presented on Figure 3 – Main Building First Floor and Figure 4 – Main Building Second and Third Floors.

The highest PCB concentrations **were detected in concrete floor samples at 0-0.5 inches along the western side of the south wall (samples 190 and 191) at 9,000 mg/kg and 3,400 mg/kg, respectively. PCBs were detected at 140 mg/kg in a paint sample, taken from the first floor interior room on the door casing above the doorway.** One sample from the top of the first floor masonite work bench contained a PCB concentration of 77 mg/kg. On the second floor, there is evidence of oil-stained wood floor decking in the vicinity of where the crane would have likely lifted electrical equipment up to the second floor for repair. PCB concentrations in wood decking ranged from 7.1 mg/kg to 54 mg/kg.

In the Main Building, concrete floor and wall samples were collected **at the surface (0-0.5 inches). At selected locations, samples were collected at the 0.5-1 inch depth** to determine if surface scarification was feasible for managing potential PCB impact. PCB concentrations in the 0-0.5 inch interval in the Main Building first floor samples ranged from non-detect **to 9,000 mg/kg.** PCB concentrations in the 0.5-1.0 inch interval ranged from non-detect to **4.6 mg/kg.** PCB concentrations also decreased in the deeper wall samples when compared with the 0-0.5 inch samples. A summary table of Main Building Concrete Sample Locations and PCB concentrations is presented as Table 3. All Main Building Concrete Sample Locations are presented on Figure 5.

**On the outside of the Main Building, specifically at the former loading dock area on the eastern exterior wall, four concrete wall samples were collected: samples 138 and 140 at 0-0.5 inches and**

**samples 142 and 144 at 0.5-1.0 inches. Three brick samples were also collected: samples 98, 99, and 100. PCBs were not detected in these seven samples above laboratory reporting limits; however, the exterior of the Main Building bricks and concrete will be disposed of as PCB Remediation Waste <50 mg/kg.**

The walls and floor of the exterior concrete building footprint (Former Generating Station) were sampled only at the surface (0-0.5 inch interval). Three of the twenty floor samples contained PCB concentrations ranging from 0.34 to 1.3 mg/kg. All 18 wall samples were non-detect for PCBs at 0-0.5 inches. A summary table of Exterior Building Concrete Sample Locations and PCB concentrations is presented as Table 4. All Exterior Building Concrete Sample Locations are presented on Figure 6.

**All electrical parts and components stored at the Main Building will be disposed of as PCB Remediation Waste >50 mg/kg. A sample of oil was collected from the overhead crane on August 18, 2011. PCBs were detected in the crane oil sample at 51 mg/kg. ECS and CPAI inventoried electrical equipment stored in the building and listed these items in Table 5. Any oil-filled equipment (i.e. transformers) will be drained and analyzed for disposal facility notification.**

Samples for analysis were collected under a chain of custody protocol and shipped to the laboratory in an iced cooler for analysis of PCBs via EPA Method SW846 8082. The sampling equipment was decontaminated between samples by washing the equipment in an Alconox solution to remove particles and rinsing with methanol and distilled water in series.

## **DATA VALIDATION**

All building material quality control (QC) data used in this evaluation of Site conditions, as reported in Tables 1-4, were evaluated for such QC criteria as are typically included in Tier II data packages, and detailed below. The remaining bulk building materials and concrete samples were collected between February and August 2011 and submitted to Phoenix for analysis of PCBs by USEPA Method 8082, Soxhlet Extraction Method. Phoenix reports results using µg/kg units; data in summary tables has been converted to mg/kg for ease of reference in the Notification. Laboratory reports are included in Appendix C.

All such data were analyzed and reported according to laboratory standard operating procedures (SOPs) and USEPA analytical method guidelines. The results of the data usability analysis are discussed below and summarized in this opinion. It should be noted that, while laboratory QC results for the field QC samples were reviewed, these QC results are not discussed in the summary below (although the data from these samples is included). Sample number 512119274.178 was broken during shipment to the laboratory and was not analyzed.

### Representativeness

To assure sample representativeness, all sampling methods were in accordance with USEPA sampling policies currently in effect. All sampling containers and preservation methods complied with all applicable method requirements. All samples were chilled on ice immediately upon collection, stored in a sample refrigerator, and shipped overnight in a cooler packed with ice. Building materials samples were received at the laboratory at 4°C (+/- 2°C), with the exception of wood/composite samples collected on 2/25/11 (15°C) and brick samples on 5/2/11 (7°C). According to Chapter 4 of SW-846, Test Methods for Evaluating Solid Wastes, concentrated waste samples do not have to be chilled for preservation. In general, the samples chosen for inclusion in this data set are consistent and considered representative of the overall Site condition.

### Accuracy

Accuracy was determined by the laboratory use of surrogate recoveries for PCB, as well as by batch laboratory control sample (LCS) recoveries, and matrix spike (MS) recoveries. In order to assess the effectiveness of the analytical method in dealing with each sample matrix, a known concentration of a surrogate compound, which is an organic compound similar to the target analytes of interest in chemical behavior but which is not normally found in environmental samples, is added to the sample being analyzed. The percent recovery for each surrogate compound is then calculated. The following issues were noted in relation to surrogate recoveries.

Per method protocol, the laboratory diluted PCB samples in order to achieve detected concentrations within calibration ranges, where concentrations required it. In most cases where dilutions were required for PCB analysis, surrogate concentrations were diluted below the laboratory's ability to detect/calculate recoveries. Therefore, no surrogate information was available for these samples. However, as this lack of QC data does not indicate an actual problem with the sample data, no qualification was given to the data. Two PCB samples had one surrogate recovery outside QC limits. However, per method protocol, only one of the two surrogate recoveries are required to be within QC limits. Therefore, no qualification was given to these data.

MS and matrix spike duplicate (MSD) recoveries were within QC limits. Several of the MS/MSDs, recoveries could not be calculated by the laboratory due to the presence of PCB concentrations in the unspiked sample. As noted with the surrogate recoveries, this lack of QC data does not indicate an actual problem with the sample data, and as such, no qualification was given to the data. Per the laboratory, no further action is required if LCS/LCSD compounds are within criteria. In general, these results (as qualified) indicate acceptable accuracy within the data set for the soil sample set.

According to Phoenix, when multiple Aroclor's of PCBs are present, and the Aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the Aroclor it mostly resembles. For many samples, the PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248, 1254, and 1260. The results are reported as Total PCBs with a star designating the Aroclor(s) most closely matched.

### Precision

Precision of data was determined by the laboratory use of relative percent differences (RPDs) calculated from field and laboratory duplicate samples, with a maximum RPD limit of 50% (soil) and 30% (water) for field duplicates and 30% (soil) and 20% (water) for laboratory LCS and MS duplicate RPDs. It should be noted that concentrations which are not significantly above the laboratory reporting limits (per EPA protocol) for field duplicates were not reviewed based on their RPDs, but based upon the difference between the sample results and the reporting limit. Per laboratory protocol, if results were sufficiently above laboratory reporting limits, RPDs were calculated.

Field duplicate samples submitted for analysis include: 6 concrete samples for PCB analysis. All primary/duplicate results for PCB analysis had a calculated RPD between 2.8 and 42.1 percent. All LCS/LCSD and MS/MSD calculable RPDs were within QC limits for PCB analysis. In general, these results (as qualified), indicate acceptable precision within the data set.

### Comparability

To establish a degree of comparability for sampling data such that all of the data can be compared with potential future data, CPAI and ECS used standard methods of sampling collection. All sampling and testing procedures are well documented so that they can be reproduced. Analyte lists for samples are consistent with the site history, and adequate to describe the magnitude and extent of release.

### Sensitivity

Sensitivity of the data was evaluated based on the laboratory use of method blanks, reported laboratory limits, and appropriate analytical methods used. As indicated above, all sampling methods were in accordance with current accepted practices and were appropriate for Site conditions. The laboratory data were as sensitive as the concentrations (with dilutions, where required) and analytical methods allowed. As indicated above, no detected concentrations were reported for any batch method blank sample.

Equipment (rinsate) blanks associated with these data include: **4** associated with concrete samples for PCBs were obtained on 5/5/11, 5/12/11, 5/13/11, **and 8/18/11**. No detected concentrations were reported for any equipment blank samples.

### Conclusions

Based upon the above data usability assessment, it is the opinion of ECS that the analytical results reviewed here are sufficient to characterize building materials at the Site. While some variability in concrete data has been observed, based upon limitations of the analytical methods in concrete analysis, none of the issues observed significantly impact on data quality. The results of this data usability analysis indicate that the data used for the characterization of the Site are of suitable quality to support the conclusions of this Notification.

## **SELF IMPLEMENTING CLEANUP PLAN**

The following sections present the specific Self-Implementing Cleanup Plan for the demolition and disposal of PCB Remediation waste in building materials. Following removal of the building, PCBs in soils under the building footprints will be confirmed following Subpart O in accordance with 761.61 (a)(6).

### PCB Remediation Waste Disposal

Interior building materials, exhibiting PCB concentrations between 1.2 mg/kg and 140 mg/kg, will be removed and disposed of as PCB Remediation Waste >50 mg/kg. Interior building materials, such as composite board in work benches, homosote wall board, wood floor decking, baseboards, shelving, stairs, and miscellaneous electrical parts, will be transported by a licensed hauler under a manifest to a hazardous waste landfill permitted under section 3004 or 3006 of RCRA or PCB Disposal Facility in conformance with 761.61(a)(5)(i)B(2)(iii). The receiving facility will be notified of the amount of waste to be shipped and the highest detected concentration at least 15 days prior to shipment in conformance with 40 CFR 761.61(a)(5)(i)(B)(2)(iv). See Table 1 for the sample identification and waste items that will be disposed at >50 mg/kg. **Table 5 lists the electrical parts that are currently stored in the building, which will be disposed at >50 mg/kg. Any oil-filled equipment will be drained and analyzed to ensure that the disposal facility is notified of the oil concentration as <500 mg/kg. Any liquid concentrations >500 mg/kg will be transported to an approved facility for incineration.**

Structural building materials, such as brick and wood beams/columns, exhibiting PCB concentrations between 0.43 mg/kg and 18 mg/kg, will be removed as PCB Remediation Waste <50 mg/kg and transported by a licensed hauler under a bill of lading to a landfill permitted to accept PCB-contaminated waste in accordance with 40 CFR 761.61(a)(5)(v)(A). See Table 2 for the sample identification and waste items that will be disposed of at <50 mg/kg.

Concrete floors and walls within the **main** building exhibit PCB concentrations between non-detect and **23 mg/kg, with the exception of two concrete floor samples exhibiting concentrations of 3,400 mg/kg and 9,000 mg/kg. The majority of the concrete floors and walls will be broken up and disposed of as**

PCB Remediation Waste <50 mg/kg and transported by a licensed hauler under a bill of lading to a landfill permitted to accept PCB-contaminated waste in accordance with 40 CFR 761.61(a)(5)(v)(A). See Table 3 for the sample identification and waste items that will be disposed of at <50 mg/kg. **The 600 square foot section, located in the southwestern section of the building and presented on Figure 7, will be broken up and transported by a licensed hauler under a manifest to a hazardous waste landfill permitted under section 3004 or 3006 of RCRA or PCB Disposal Facility in conformance with 761.61(a)(5)(i)B(2)(iii) as >50 mg/kg PCB Remediation Waste.**

Structural steel components (**including the metal roofing and unpainted steel beams**) of the building will be stockpiled and decontaminated onsite. Wipe samples will be obtained in conformance with 40 CFR 761 Subpart P to verify that PCB concentrations are <10 µg/100cm<sup>2</sup>. Decontaminated steel will be **transported to a scrap metal facility that recycles metal by smelting or to a non-hazardous waste landfill.**

Three samples collected from the remnant concrete floor in the former generating station contained PCB-concentrations of 0.34 mg/kg, 0.44 mg/kg, and 1.3 mg/kg. This 1,300 square foot eastern section of the concrete floor will be disposed of as PCB Remediation Waste <50 mg/kg and transported by a licensed hauler under a bill of lading to a landfill permitted to accept PCB-contaminated waste in accordance with 40 CFR 761.61(a)(5)(v)(A). This area is presented on **Figure 8**. The remaining concrete floor and walls will be recycled or disposed of as a non-hazardous waste material.

#### PCB Remediation Waste Removal Process

The concrete floor will first be protected with a continuous EPDM rubber membrane to prevent cross-contamination during the removal/demolition process. The interior building materials in the main building that are being considered >50 mg/kg will be removed from the building first. The manual removal of these materials will allow for the loading of appropriately-lined roll-off containers. The rubber membrane will be disposed of as PCB Remediation Waste >50 mg/kg at the completion of the interior demolition.

Heavy equipment will be utilized for the removal of bricks, beams/columns, and concrete. If possible, these materials will be live-loaded into trucks for appropriate disposal as described above. **Structural steel components, such as the metal roof and steel beams**, will be segregated and placed on polyethylene sheeting and covered with polyethylene sheeting and secured at the end of each day to minimize exposure to precipitation until it is appropriately decontaminated.

During site activities involving removal or demolition of PCB Remediation Waste, air monitoring will be conducted and engineering controls (i.e. wet methods) will be implemented, if necessary, to ensure the health and safety of on-site workers and surrounding populations, and to ensure that off-site migration of dust is minimized in conformance with the Site specific Health and Safety Plan (HASP).

The majority of the two acre site is undeveloped. The land east of the main building has been excavated to PCB concentrations ≤25 mg/kg, and has been approved for cover this summer per the April 8, 2011 EPA-Approved modification. The site does not contain asphalt surfaces. Adjacent land use consists of an unpaved, gravel road toward the north, undeveloped land towards the east and west, and the Winooski River toward the south. The nearest commercial property is approximately 300 feet south of the site. The site is situated approximately 12 feet above the Winooski River. Best management practices during building demolition would include silt fence, hay bales, and proper grading, if necessary, during the removal of the concrete foundation along the southern edge of the property to eliminate sediment and debris from entering the river. No other environmental receptors are likely to be impacted by building demolition. There are no catch basins or storm water collection systems on the site. Engineering controls

such as installation of additional sediment barriers will be implemented if the proposed controls are not considered to be adequate.

#### PCB Remediation Waste Cleanup Verification

Following building demolition, soil samples will be collected in conformance with 40 CFR 761 Subpart O to verify that the soils under the building meet **soil standards used by the Vermont Department of Environmental Conservation (VT DEC) - May 2011 EPA Regional Screening Levels (RSLs), which are more stringent than the TSCA High Occupancy Standard of  $\leq 1$  mg/kg for some Aroclors. RSL values are 0.74 mg/kg for Aroclors 1248, 1254 and 1260 and 21 mg/kg for Aroclor 1016.** Samples will be collected in appropriate laboratory glassware, transferred to an ice-packed cooler, and be submitted to an EPA-approved laboratory for analysis of PCBs via EPA Method 8082 following Soxhlet Method 3540C. The following rationale will be followed to collect and analyze soil samples:

- Shallow soil samples will be collected following Subpart O Verification Sampling of Self-Implementing Cleanup (761.280-761.298) to confirm that soils under the buildings are not impacted by PCBs. Discrete soil samples will be collected within a 1.5 meter grid system on the surface under the building footprint and submitted to the laboratory for analysis.
- Each subsample will be collected using a sample device with a diameter of between 2 and 3 centimeters (cm). The maximum depth of each subsample will be 7.5 cm.

Soil excavation is not being proposed under this Notification. If PCBs are detected in verification samples, ECS will submit a modification to the EPA requesting that either the area be covered similar to the area east of the building (remediated under a separate EPA Approval) or excavated if PCB concentrations are  $\geq 25$  mg/kg. Building footers will remain in place until the soil under the building has been fully characterized.

#### Equipment Decontamination

Decontamination efforts will employ the double wash/rinse methodology referenced in 761 Subpart S. Sampling devices will be decontaminated between samples initially by washing the equipment in an Alconox solution to remove solids. Non-disposable equipment will then be rinsed with methanol, and distilled water in series and be allowed to dry. All decontamination fluids, personal protective equipment and disposable sampling equipment will be collected, drummed and characterized for off site disposal.

Equipment utilized in the performance of demolition activities at the Site will be decontaminated in conformance with the procedures outlined in the HASP. In general, tools and heavy equipment which come into contact with PCB impacted materials will be decontaminated. A decontamination pad will be constructed for decontamination of vehicles and heavy equipment. The pad will be constructed with an impermeable membrane such that decontamination fluids are contained. Decontamination fluids will be recovered, drummed and characterized for disposal. Heavy equipment buckets and tools, if necessary, will be wipe-tested for PCBs prior to the equipment leaving the Site, and additional decontamination procedures will be implemented, if necessary.

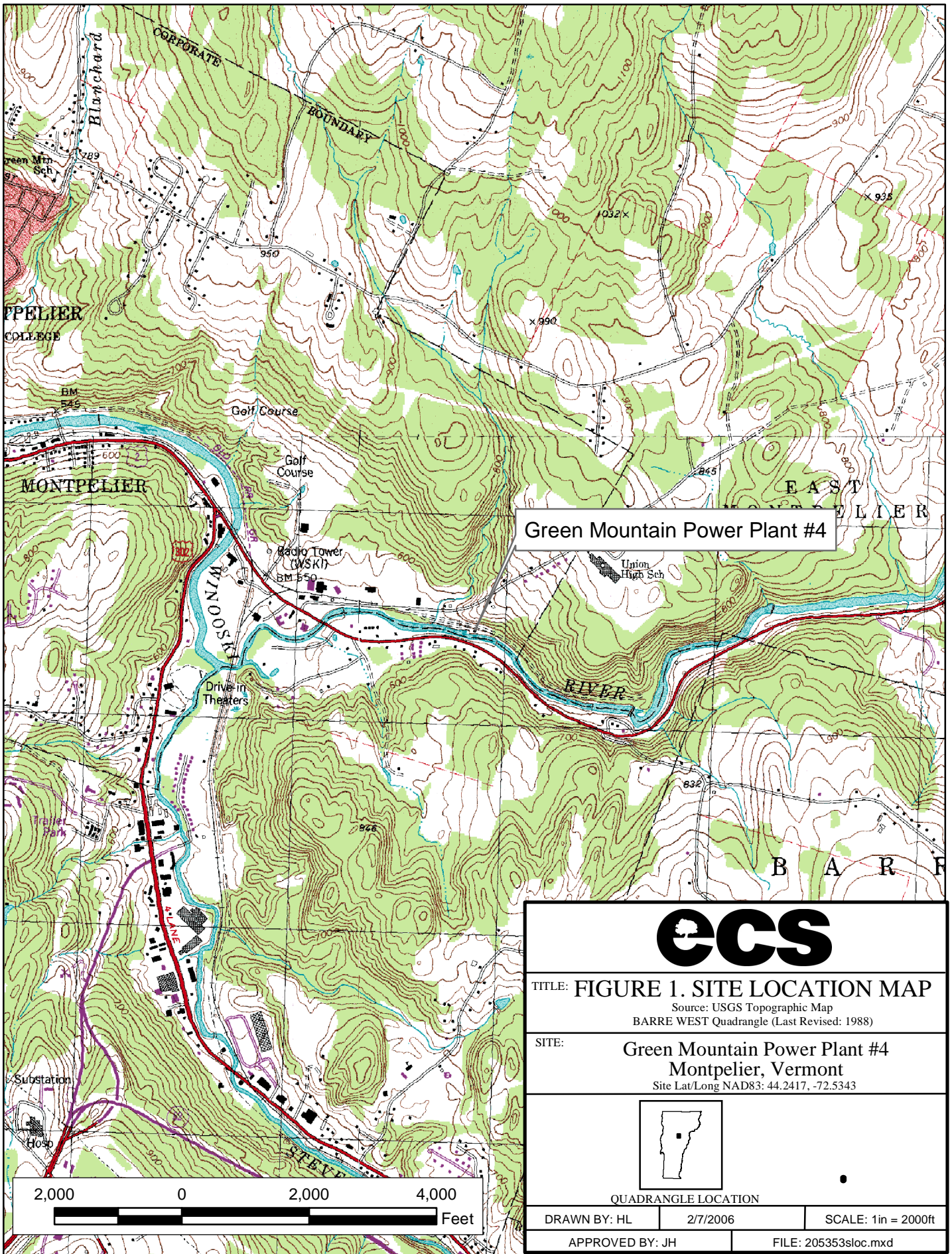
### **SCHEDULE AND CONCLUSIONS**

The information contained within this notification has been provided for EPAs review under the TSCA Self Implementing Regulations. ECS has conducted site characterization and the proposed remediation and cleanup verification in conformance with Subpart N and Subpart O of 40 CFR Part 761.

The planned schedule for PCB remediation activities is to implement the remedy immediately following EPA's review and approval of this Notification. It is anticipated this work will be completed by September 30, 2011.

## FIGURES

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Green Mountain Power Plant #4



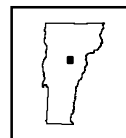
**TITLE: FIGURE 1. SITE LOCATION MAP**

Source: USGS Topographic Map  
BARRE WEST Quadrangle (Last Revised: 1988)

**SITE:**

**Green Mountain Power Plant #4  
Montpelier, Vermont**

Site Lat/Long NAD83: 44.2417, -72.5343



QUADRANGLE LOCATION

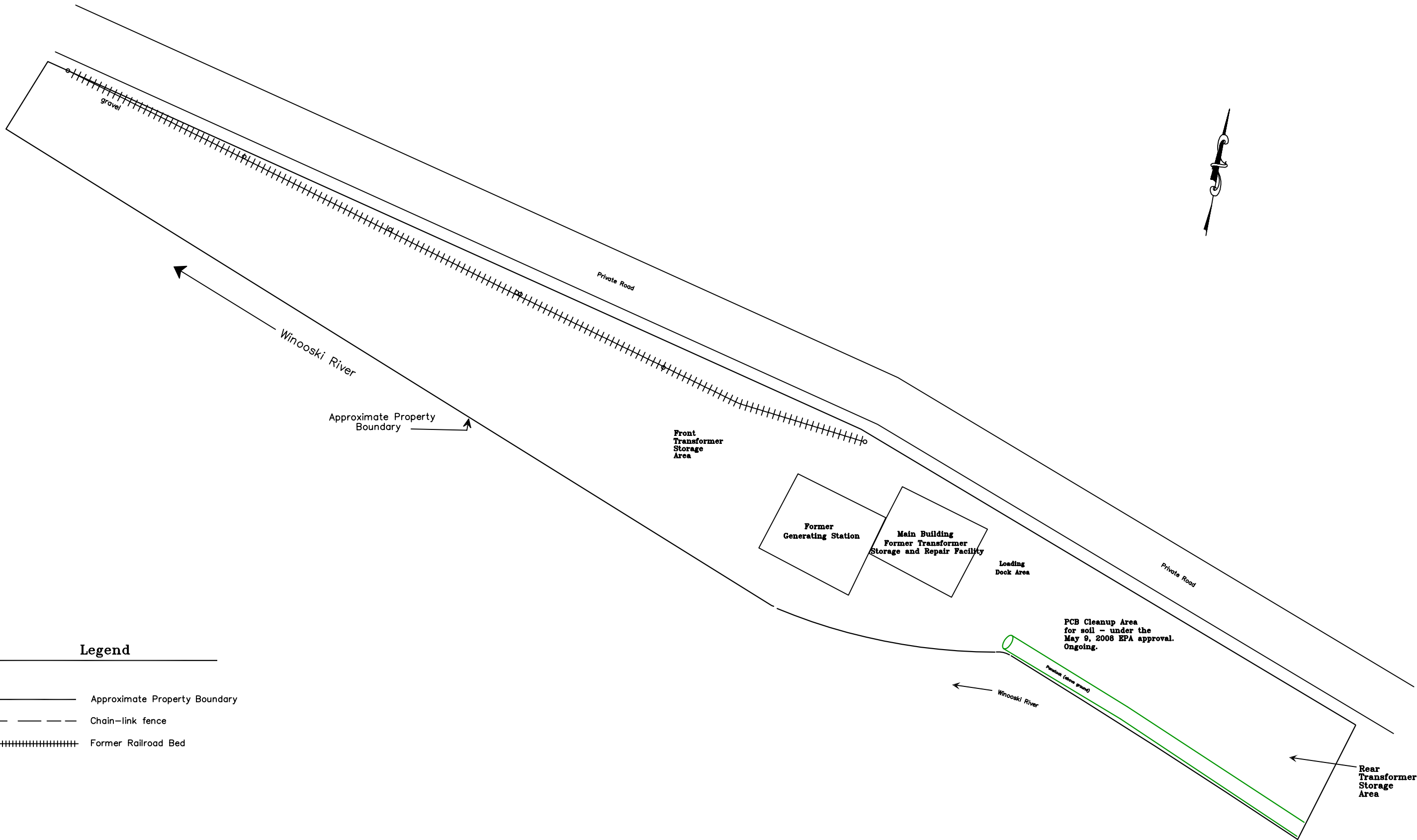
DRAWN BY: HL

2/7/2006

SCALE: 1in = 2000ft

APPROVED BY: JH

FILE: 205353sloc.mxd



Legend

- Approximate Property Boundary
- Chain-link fence
- Former Railroad Bed

Scale Approximate

**Notes:**  
1. The planimetric and property boundary information shown on this plan were taken from a map prepared by Verterre Group. ECS assumes no responsibility for accuracy of same.



**1 Elm Street, Suite 3 \* Waterbury, VT 05676**  
Phone: 1-802-241-4131 Fax: 802-244-6894

CLIENT: **Green Mountain Power**

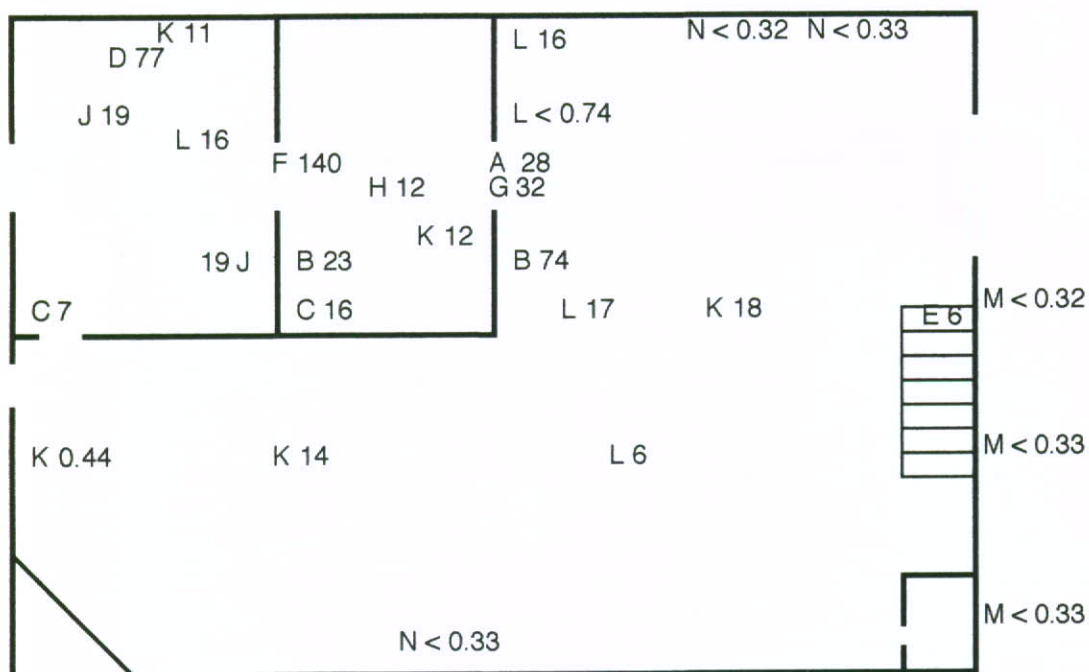
GRAPHIC SCALE:  
60' 30' 0 30' 60'

PROJECT: **Green Mountain Power Plant #4**  
GALLISON HILL ROAD  
Montpelier, Vermont

TITLE: **SITE PLAN**

COMPUTER CADFILE : F: 08-205353.R.DEC10.DWG			
DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
ABC	ABC	LW	LW
SCALE:	DATE:	JOB NO.:	FIGURE NO.:
1"=60'	6/09/11	08-205353.00	2

## MAIN BUILDING FIRST FLOOR



LETTER = BUILDING MATERIALS

- A = Composition Board, Wall
- B = Homosote, Wall
- C = Wood, Baseboard
- D = Masonite, Workbench Top
- E = Wood, Stair Tread
- F = Paint on Wood, Door Casing
- G = Wood, Door/Door Casing
- H = Homosote, Ceiling
- J = Composition Board, Ceiling
- K = Wood, Structural Column
- L = Wood, Structural Beam
- M = Brick/Mortar/Exterior Loading Dock
- N = Brick and Mortar. Wall

NUMBER = TOTAL PCB (mg/kg)

Green Mountain Power Corporation  
Montpelier #4  
Main Building  
Montpelier, Vermont

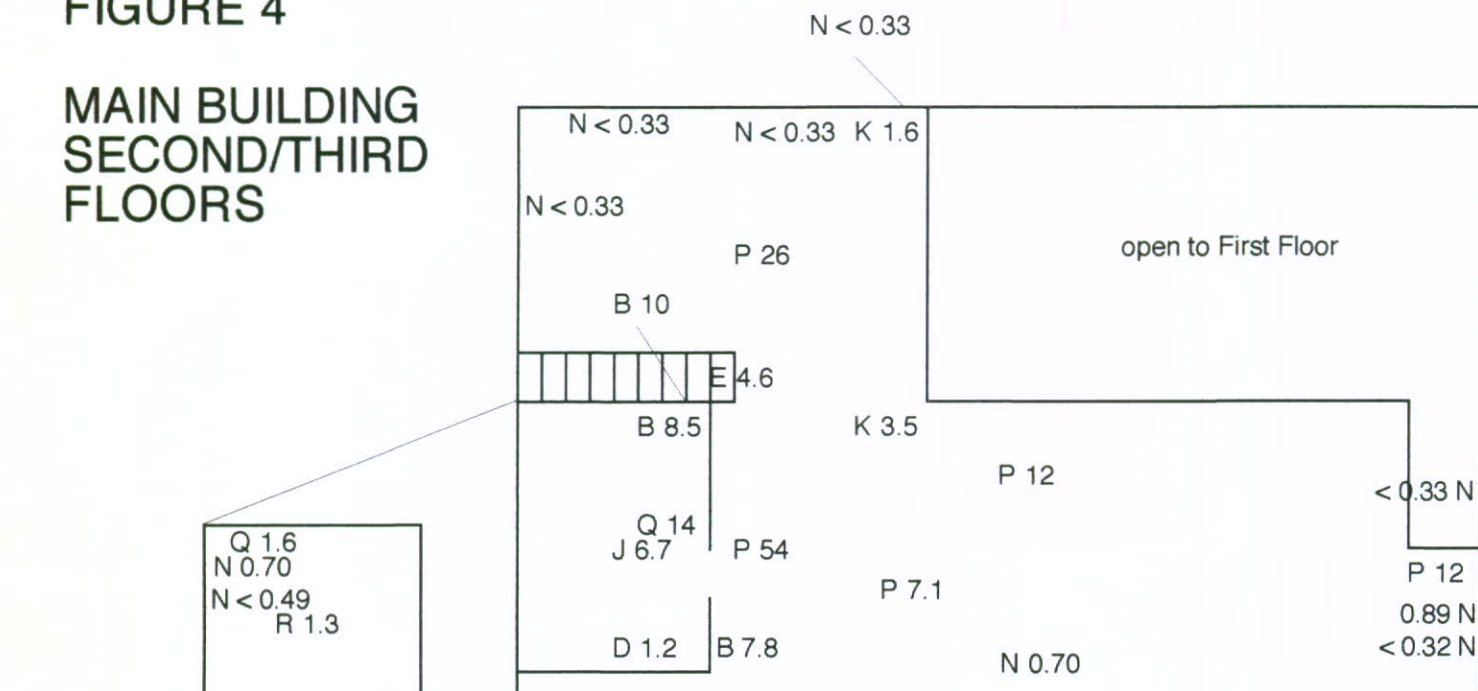
PCB Bulk Material Sampling  
Not to Scale  
Drawn by: Todd Hobson

Project North



FIGURE 4

MAIN BUILDING  
SECOND/THIRD  
FLOORS



BULK SAMPLE COLLECTION POINTS

LETTER = BUILDING MATERIALS

NUMBER = TOTAL PCB (mg/kg)

- B = Homosote, Wall
- D = Masonite, Workbench Top
- E = Wood, Stair Tread
- J = Composition Board, Ceiling
- K = Wood, Structural Column
- N = Brick & Mortar, Wall
- P = Wood, Floor Decking
- Q = Plywood, Floor
- R = Wood, Roof Decking/Beam

3rd Floor  
Storage Loft

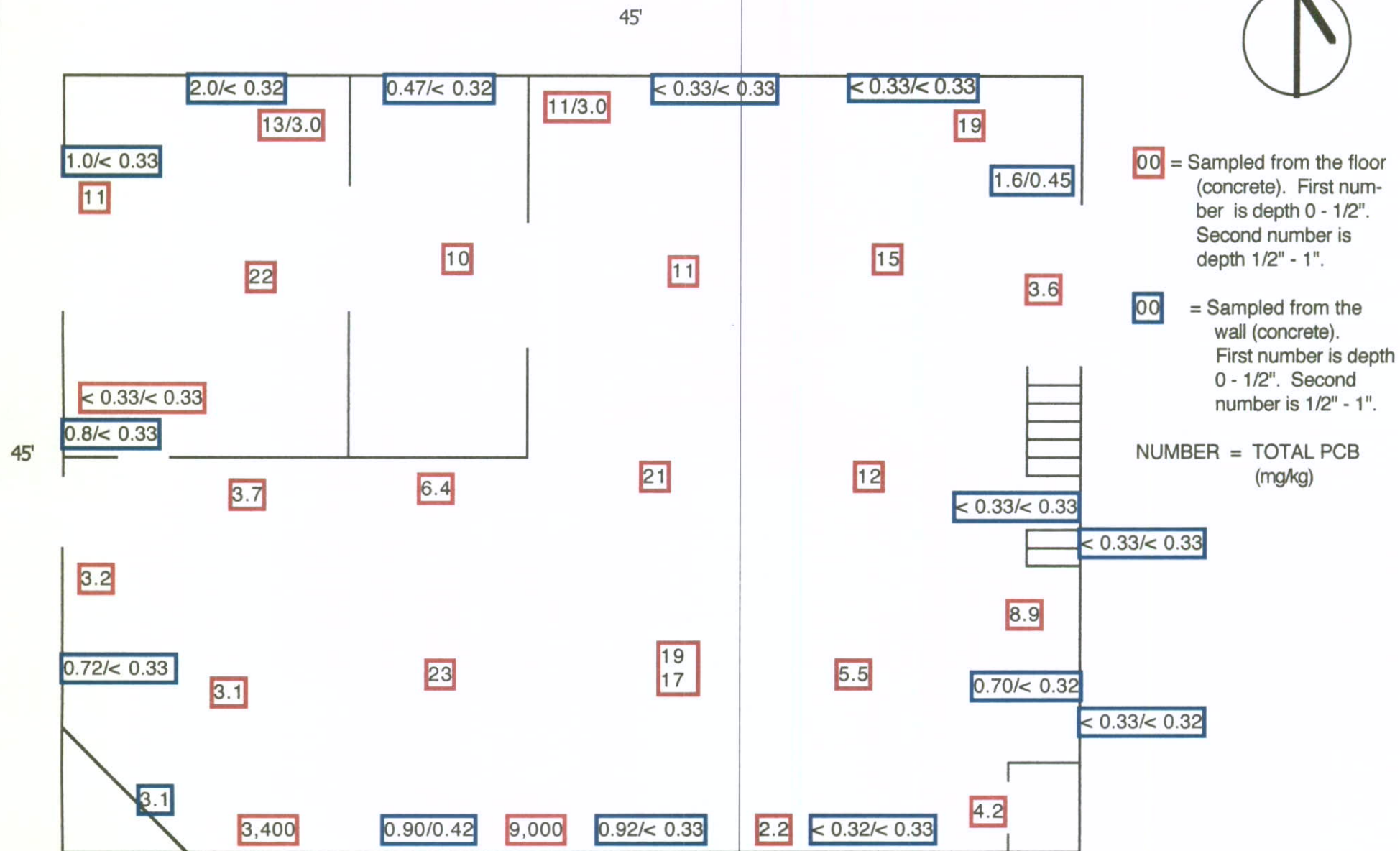
Clay Point Associates, Inc.  
Environ. Compliance Services  
CPAI Project #9274  
March 2 & May 2, 2011

Green Mountain Power Corporation  
Montpelier #4  
Main Building  
Montpelier, Vermont

PCB Bulk Material Sampling  
Not to Scale  
Drawn by: Todd Hobson

FIGURE 5  
MAIN BUILDING/FIRST FLOOR

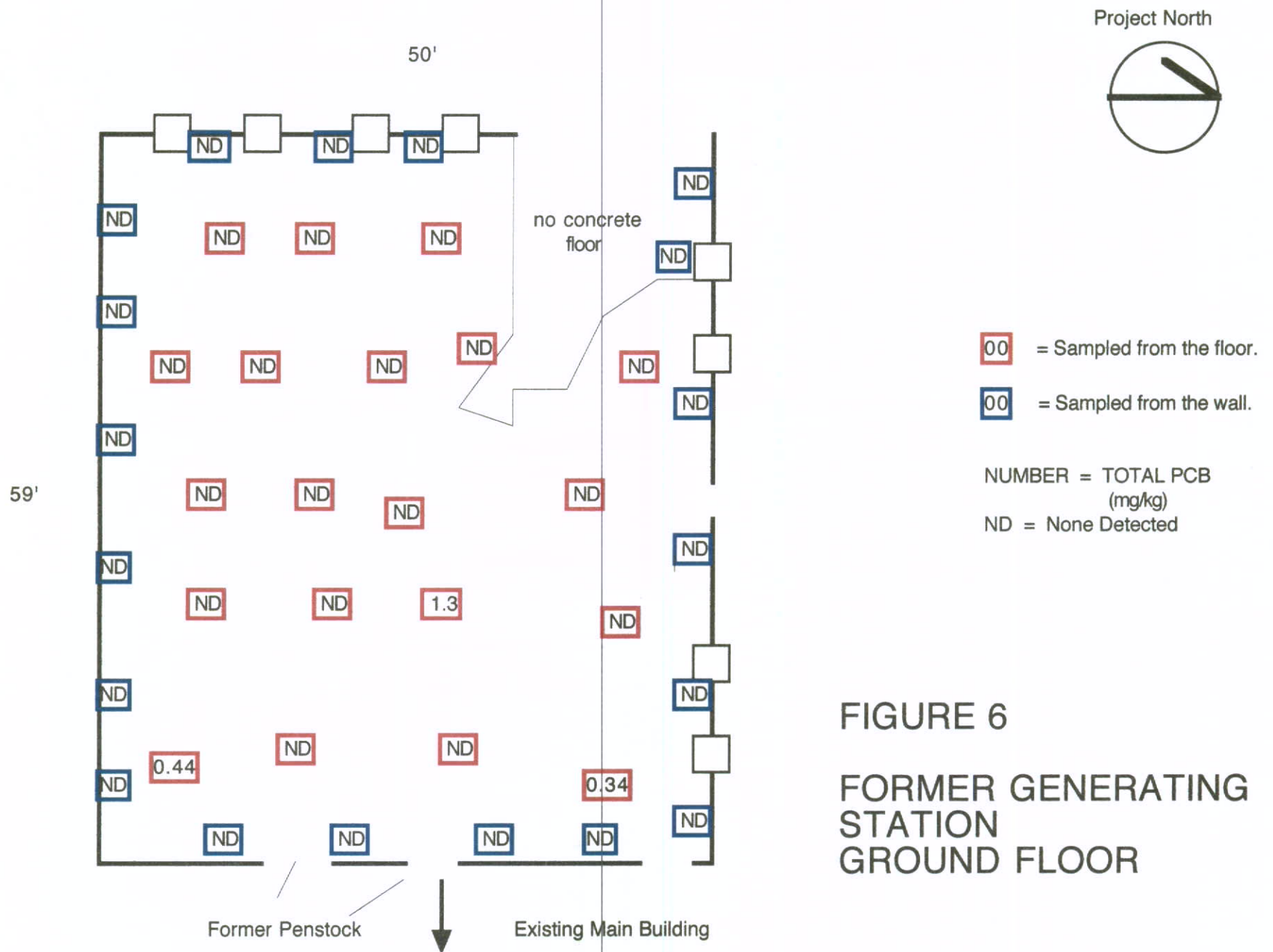
Project North



Clay Point Associates, Inc.  
Environ. Compliance Services  
CPAI Project #9274  
May 5 and August 18, 2011

Green Mountain Power Corporation  
Montpelier #4  
Main Building  
Montpelier, Vermont

PCB Concrete Sampling  
Not to Scale  
Drawn by: Todd Hobson



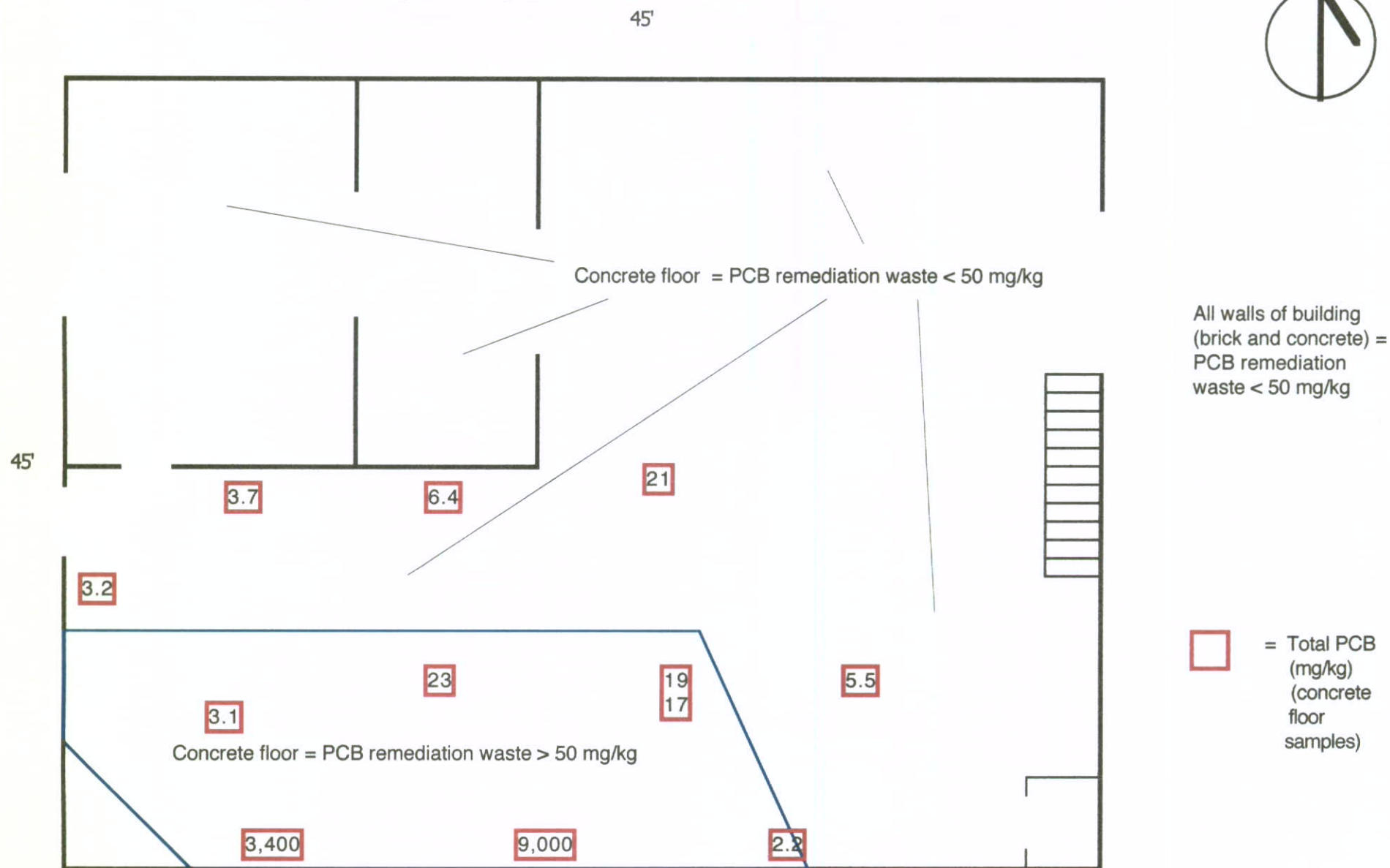
Clay Point Associates, Inc.  
Environ. Compliance Services  
CPAI Project #9274  
May 12 & 13, 2011

Green Mountain Power Corporation  
Montpelier #4  
Former Generating Station  
Montpelier, Vermont

PCB Concrete Sampling  
Not to Scale  
Drawn by: Todd Hobson

FIGURE 7  
MAIN BUILDING/FIRST FLOOR

Project North



Clay Point Associates, Inc.  
Environ. Compliance Services  
CPAI Project #9274  
May 5 and August 18, 2011

Green Mountain Power Corporation  
Montpelier #4  
Main Building  
Montpelier, Vermont

Concrete Floor/Wall Removal  
Not to Scale  
Drawn by: Todd Hobson

 = Total PCB (mg/kg)  
(concrete floor samples)



Concrete Floor/Wall Removal  
Not to Scale  
Drawn by: Todd Hobson

## TABLES

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**Table 1 - Interior Main Building Materials & Sample Results for Disposal as >50 mg/kg Waste**

**GMP Plant #4, Montpelier, VT**

**2/25/2011 & 3/2/2011**

Sample ID	Date	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	PCB-1262	PCB-1268	Total PCB (ug/Kg)	Total PCB (mg/Kg)	Sample Media Location
<b>First Floor</b>													
225119274.52	2/25/2011	ND<4400	ND<4400	ND<4400	ND<4400	*	*	ND<4400	ND<4400	ND<4400	<b>28,000</b>	<b>28</b>	composition board wall
225119274.53	2/25/2011	ND<6600	ND<6600	ND<6600	ND<6600	*	*	ND<6600	ND<6600	ND<6600	<b>23,000</b>	<b>23</b>	homosote wall
225119274.55	2/25/2011	ND<1000	ND<1000	ND<1000	ND<1000	*	*	*	ND<1000	ND<1000	<b>6,900</b>	<b>7</b>	wood baseboard
225119274.57	2/25/2011	ND<9100	ND<9100	ND<9100	ND<9100	*	*	*	ND<9100	ND<9100	<b>74,000</b>	<b>74</b>	homosote wall; east wall near floor
225119274.58	2/25/2011	ND<1000	ND<1000	ND<1000	ND<1000	*	*	*	ND<1000	ND<1000	<b>16,000</b>	<b>16</b>	wood baseboard
225119274.60	2/25/2011	ND<7600	ND<7600	ND<7600	ND<7600	*	*	*	ND<7600	ND<7600	<b>77,000</b>	<b>77</b>	masonite work bench - top
225119274.61	2/25/2011	ND<830	ND<830	ND<830	ND<830	*	*	*	ND<830	ND<830	<b>5,600</b>	<b>6</b>	wood stair tread
225119274.64	2/25/2011	ND<27000	ND<27000	ND<27000	ND<27000	*	*	*	ND<27000	ND<27000	<b>140,000</b>	<b>140</b>	paint chips flaking from door frame
225119274.65	2/25/2011	ND<4600	ND<4600	ND<4600	ND<4600	*	*	*	ND<4600	ND<4600	<b>32,000</b>	<b>32</b>	door and door casing wood
225119274.66	2/25/2011	ND<4700	ND<4700	ND<4700	ND<4700	*	*	ND<4700	ND<4700	ND<4700	<b>12,000</b>	<b>12</b>	homosote ceiling
225119274.67	2/25/2011	ND<4700	ND<4700	ND<4700	ND<4700	*	*	ND<4700	ND<4700	ND<4700	<b>19,000</b>	<b>19</b>	composition board ceiling
225119274.68	2/25/2011	ND<3600	ND<3600	ND<3600	ND<3600	*	*	ND<3600	ND<3600	ND<3600	<b>19,000</b>	<b>19</b>	composition board ceiling
<b>Second Floor</b>													
302119274.74	3/2/2011	ND<7000	ND<7000	ND<7000	ND<7000	*	*	ND<7000	ND<7000	ND<7000	<b>54,000</b>	<b>54</b>	wood floor decking, staining, near work room
302119274.75	3/2/2011	ND<6500	ND<6500	ND<6500	ND<6500	ND<6500	<b>26,000</b>	ND<6500	ND<6500	ND<6500	<b>26,000</b>	<b>26</b>	wood floor decking, stained area under lift
302119274.76	3/2/2011	ND<4500	ND<4500	ND<4500	ND<4500	ND<4500	<b>7,100</b>	ND<4500	ND<4500	ND<4500	<b>7,100</b>	<b>7.1</b>	wood floor decking
302119274.77	3/2/2011	ND<3000	ND<3000	ND<3000	ND<3000	ND<3000	<b>12,000</b>	ND<3000	ND<3000	ND<3000	<b>12,000</b>	<b>12</b>	wood floor decking
302119274.78	3/2/2011	ND<840	ND<840	ND<840	ND<840	*	*	ND<840	ND<840	ND<840	<b>4,600</b>	<b>4.6</b>	wood stair tread
302119274.79	3/2/2011	ND<3600	ND<3600	ND<3600	ND<3600	*	*	*	ND<3600	ND<3600	<b>14,000</b>	<b>14</b>	plywood floor
302119274.83	3/2/2011	ND<5000	ND<5000	ND<5000	ND<5000	ND<5000	<b>12,000</b>	ND<5000	ND<5000	ND<5000	<b>12,000</b>	<b>12</b>	wood floor decking
302119274.84	3/2/2011	ND<550	ND<550	ND<550	ND<550	ND<550	<b>1,200</b>	ND<550	ND<550	ND<550	<b>1,200</b>	<b>1.2</b>	masonite work bench
302119274.86	3/2/2011	ND<970	ND<970	ND<970	ND<970	*	*	ND<970	ND<970	ND<970	<b>10,000</b>	<b>10</b>	homosote wall
302119274.87	3/2/2011	ND<830	ND<830	ND<830	ND<830	*	*	ND<830	ND<830	ND<830	<b>7,800</b>	<b>7.8</b>	homosote wall
302119274.88	3/2/2011	ND<800	ND<800	ND<800	ND<800	*	*	ND<800	ND<800	ND<800	<b>8,500</b>	<b>8.5</b>	homosote wall
302119274.89	3/2/2011	ND<970	ND<970	ND<970	ND<970	*	*	ND<970	ND<970	ND<970	<b>6,700</b>	<b>6.7</b>	composition board ceiling
<b>Crane Oil</b>	8/18/2011	*	ND<10	ND<10	ND<10	*	*	ND<10	ND<10	ND<10	<b>51,000</b>	<b>51</b>	oil contained in overhead crane
<b>Third Floor</b>													
302119274.82	3/2/2011	ND<770	ND<770	ND<770	ND<770	*	*	ND<770	ND<770	ND<770	<b>7,300</b>	<b>7.3</b>	plywood floor
302119274.85	3/2/2011	ND<790	ND<790	ND<790	ND<790	ND<790	<b>1,600</b>	ND<790	ND<790	ND<790	<b>1,600</b>	<b>1.6</b>	plywood floor

Notes:

Samples collected by ECS and Clay Point Associates, and analyzed by Phoenix Analytical Laboratories, Inc. of Manchester, CT

µg/Kg - Microgram per Kilogram

mg/Kg - Milligram per Kilogram

ND - not detected to detection limit shown

Bold and shaded values represent the presence of PCBs; highlighted values are >50 mg/kg.

\* PCBs most closely resembles a mixture of the selected Aroclors

**Table 2 - Bulk Main Building Materials & Sample Results for Disposal as <50 mg/kg Waste**

**GMP Plant #4, Montpelier, VT  
2/25/2011 & 3/2/2011 & 5/2/2011**

Sample ID	Date	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	PCB-1262	PCB-1268	Total PCB (ug/Kg)	Total PCB (mg/Kg)	Sample Media Location
<b>First Floor</b>													
225119274.54	2/25/2011	ND<7000	ND<7000	ND<7000	ND<7000	*	*	ND<7000	ND<7000	ND<7000	<b>18,000</b>	<b>18</b>	wood structural column
225119274.56	2/25/2011	ND<400	ND<400	ND<400	ND<400	*	*	ND<400	ND<400	ND<400	<b>440</b>	<b>0.44</b>	wood structural column
225119274.59	2/25/2011	ND<3600	ND<3600	ND<3600	ND<3600	*	*	ND<3600	ND<3600	ND<3600	<b>14,000</b>	<b>14</b>	wood structural column
225119274.62	2/25/2011	ND<2600	ND<2600	ND<2600	ND<2600	*	*	ND<2600	ND<2600	ND<2600	<b>12,000</b>	<b>12</b>	wood structural column
225119274.63	2/25/2011	ND<3000	ND<3000	ND<3000	ND<3000	*	*	ND<3000	ND<3000	ND<3000	<b>11,000</b>	<b>11</b>	wood structural column
225119274.69	2/25/2011	ND<2700	ND<2700	ND<2700	ND<2700	*	*	ND<2700	ND<2700	ND<2700	<b>16,000</b>	<b>16</b>	wood structural beam
302119274.70	3/2/2011	ND<2900	ND<2900	ND<2900	ND<2900	*		ND<2900	ND<2900	ND<2900	<b>17,000</b>	<b>17</b>	wood structural beam
302119274.71	3/2/2011	ND<740	ND<740	ND<740	ND<740	ND<740		ND<740	ND<740	ND<740	ND<0.74		wood structural beam
302119274.72	3/2/2011	ND<3000	ND<3000	ND<3000	ND<3000	*	*	ND<3000	ND<3000	ND<3000	<b>16,000</b>	<b>16</b>	wood structural beam
302119274.73	3/2/2011	ND<740	ND<740	ND<740	ND<740	*	*	ND<740	ND<740	ND<740	<b>6,100</b>	<b>6</b>	wood structural beam
7140896.98	5/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	brick and mortar; exterior at loading dock
7140896.99	5/2/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	brick and mortar; exterior at loading dock
7140896.100	5/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	brick and mortar; exterior at loading dock
7140896.101	5/2/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	brick and mortar; east wall
7140896.102	5/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	brick and mortar; south wall
7140896.108	5/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	brick and mortar; north wall
<b>Second Floor</b>													
302119274.80	3/2/2011	ND<570	ND<570	ND<570	ND<570	*	*	ND<570	ND<570	ND<570	<b>3,500</b>	<b>3.5</b>	wood structural column
302119274.81	3/2/2011	ND<700	ND<700	ND<700	ND<700	*	*	ND<700	ND<700	ND<700	<b>1,600</b>	<b>1.6</b>	wood structural column
302119274.90	3/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	brick and mortar
302119274.91	3/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	brick and mortar
302119274.92	3/2/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	brick and mortar
7140896.96	5/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	<b>890</b>	ND<330	ND<330	ND<330	<b>890</b>	<b>0.89</b>	brick and mortar; south of loading dock
7140896.97	5/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	brick and mortar; north wall
7140896.103	5/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	<b>700</b>	ND<330	ND<330	ND<330	<b>700</b>	<b>0.70</b>	brick and mortar; south wall
7140896.104	5/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	brick and mortar; north wall near railing
7140896.107	5/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	brick and mortar; top of stairs
<b>Third Floor</b>													
302119274.93	3/2/2011	ND<490	ND<490	ND<490	ND<490	ND<490	ND<490	ND<490	ND<490	ND<490	ND<490	ND<0.49	brick and mortar
302119274.94	3/2/2011	ND<790	ND<790	ND<790	ND<790	ND<790	<b>1,300</b>	ND<790	ND<790	ND<790	<b>1,300</b>	<b>1.3</b>	wood roof decking/ beam
302119274.95	3/2/2011	ND<790	ND<790	ND<790	ND<790	ND<790	<b>830</b>	ND<790	ND<790	ND<790	<b>830</b>	<b>0.83</b>	wood roof decking/ beam
7140896.105	5/2/2011	ND<320	ND<320	ND<320	ND<320	ND<320	<b>430</b>	ND<320	ND<320	ND<320	<b>430</b>	<b>0.43</b>	brick and mortar; south wall
7140896.106	5/2/2011	ND<330	ND<330	ND<330	ND<330	ND<330	<b>700</b>	ND<330	ND<330	ND<330	<b>700</b>	<b>0.70</b>	brick and mortar; top of stairs

**Notes:**

Samples collected by ECS and Clay Point Associates, and analyzed by Phoenix Analytical Laboratories, Inc. of Manchester, CT

µg/Kg - Microgram per Kilogram

mg/Kg - Milligram per Kilogram

ND - not detected to detection limit shown

Bold and shaded values represent the presence of PCBs; highlighted values are >50 mg/kg.

\* PCBs most closely resembles a mixture of the selected Aroclors

Table 3 - Main Building Site Characterization - Concrete Sample Results

GMP Plant #4, Montpelier, VT

5/5/2011 &amp; 8/18/11

Sample ID	Date	PCB-1016	PCB-1242	PCB-1221	PCB-1232	PCB-1248	PCB-1254	PCB-1260	PCB-1262	PCB-1268	Total PCB (ug/Kg)	Total PCB (mg/Kg)	Sample Media
<b>First Floor 0-1/2"</b>													
818119274-23	8/18/2011	*	ND<1600	ND<1600	ND<1600	ND<1600	*	*	ND<1600	ND<1600	22,000	22	Resampled at 2008 location
818119274-25	8/18/2011	*	ND<1700	ND<1700	ND<1700	ND<1700	*	*	ND<1700	ND<1700	10,000	10	Resampled at 2008 location
818119274-26	8/18/2011	*	ND<5500	ND<5500	ND<5500	ND<5500	*	*	ND<5500	ND<5500	5,500	5.5	Resampled at 2008 location
818119274-27	8/18/2011	*	ND<1600	ND<1600	ND<1600	ND<1600	*	*	ND<1600	ND<1600	23,000	23	Resampled at 2008 location
818119274-28	8/18/2011	*	ND<3300	ND<3300	ND<3300	ND<3300	*	*	ND<3300	ND<3300	21,000	21	Resampled at 2008 location
818119274-29	8/18/2011	*	ND<320	ND<320	ND<320	ND<320	*	*	ND<320	ND<320	3,700	3.7	Resampled at 2008 location
818119274-30	8/18/2011	*	ND<1600	ND<1600	ND<1600	ND<1600	*	*	ND<1600	ND<1600	6,400	6.4	Resampled at 2008 location
818119274-31 dup	8/18/2011	*	ND<1600	ND<1600	ND<1600	ND<1600	*	*	ND<1600	ND<1600	17,000	17	Duplicate of 32 (RPD = 11.8)
818119274-32	8/18/2011	*	ND<3300	ND<3300	ND<3300	ND<3300	*	*	ND<3300	ND<3300	19,000	19	Resampled at 2008 location
818119274-33	8/18/2011	*	ND<3300	ND<3300	ND<3300	ND<3300	*	*	ND<3300	ND<3300	15,000	15	Resampled at 2008 location
818119274-38	8/18/2011	*	ND<1600	ND<1600	ND<1600	ND<1600	*	*	ND<1600	ND<1600	11,000	11	Resampled at 2008 location
818119274-41	8/18/2011	*	ND<1600	ND<1600	ND<1600	ND<1600	*	*	ND<1600	ND<1600	12,000	12	Resampled at 2008 location
818119274-45	8/18/2011	*	ND<330	ND<330	ND<330	ND<330	*	*	ND<330	ND<330	3,100	3.1	Resampled at 2008 location
505119274.109	5/5/2011	ND<1600	ND<1600	ND<1600	ND<1600	*	*	*	ND<1600	ND<1600	11,000	11	concrete; NW transformer storage
505119274.109dup	5/5/2011	ND<3300	ND<3300	ND<3300	ND<3300	ND<3300	*	*	ND<3300	ND<3300	9,500	9.5	duplicate (RPD = 14.6)
505119274.110	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; SW transformer storage
505119274.111	5/5/2011	ND<1700	ND<1700	ND<1700	ND<1700	*	*	*	ND<1700	ND<1700	13,000	13	concrete; NE transformer storage
818119274-184	8/18/2011	*	ND<720	ND<720	ND<720	ND<720	*	*	ND<720	ND<720	11,000	11	New sample location
818119274-185	8/18/2011	*	ND<1600	ND<1600	ND<1600	ND<1600	*	*	ND<1600	ND<1600	19,000	19	New sample location
818119274-186	8/18/2011	*	ND<330	ND<330	ND<330	ND<330	*	*	ND<330	ND<330	3,600	3.6	New sample location
818119274-187	8/18/2011	*	ND<1600	ND<1600	ND<1600	ND<1600	*	*	ND<1600	ND<1600	8,900	8.9	New sample location
818119274-188	8/18/2011	4,200	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	4,200	4.2	New sample location
818119274-189	8/18/2011	*	ND<330	ND<330	ND<330	ND<330	*	*	ND<330	ND<330	2,200	2.2	New sample location
818119274-190	8/18/2011	ND<1600000	ND<1600000	ND<1600000	ND<1600000	ND<1600000	9,000,000	ND<1600000	ND<1600000	ND<1600000	9,000,000	9,000	New sample location
818119274-191	8/18/2011	ND<3300000	ND<3300000	ND<3300000	ND<3300000	ND<3300000	3,400,000	ND<3300000	ND<3300000	ND<3300000	3,400,000	3,400	New sample location
818119274-192	8/18/2011	*	ND<330	ND<330	ND<330	ND<330	*	*	ND<330	ND<330	3,200	3.2	New sample location
818119274-193 dup	8/18/2011	*	ND<1600	ND<1600	ND<1600	ND<1600	*	*	ND<1600	ND<1600	18,000	18	Duplicate of 23 (RPD = 18)
818119274-194	8/18/2011	ND<17	ND<17	ND<17	ND<17	ND<17	ND<17	ND<17	ND<17	ND<17	ND	ND	Rinsate Blank in ppb or ug/L
<b>First Floor 1/2"-1"</b>													
505119274.112	5/5/2011	ND<330	ND<330	ND<330	ND<330	*	*	*	ND<330	ND<330	3,000	3.0	concrete; NW drum storage
505119274.112dup	5/5/2011	ND<660	ND<660	ND<660	ND<660	ND<660	*	*	ND<660	ND<660	4,600	4.6	duplicate (RPD = 42.1)
505119274.113	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; SW drum storage
505119274.115	5/5/2011	ND<330	ND<330	ND<330	ND<330	*	*	*	ND<330	ND<330	3,000	3.0	concrete; NE drum storage
<b>First Floor Walls 0-1/2"</b>													
818119274-51	8/18/2011	*	ND<320	ND<320	ND<320	ND<320	*	*	ND<320	ND<320	3,100	3.1	Resampled at 2008 location
505119274.114	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; height 2.0'
505119274.116	5/5/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	ND<0.32	concrete; height 2.92'
505119274.117	5/5/2011	ND<330	ND<330	ND<330	ND<330	*	*	ND<330	ND<330	ND<330	920	0.92	concrete; height 2.08'
505119274.118	5/5/2011	ND<330	ND<330	ND<330	ND<330	*	*	*	ND<330	ND<330	700	0.70	concrete; height 1.83'
505119274.118 dup	5/5/2011	ND<330	ND<330	ND<330	ND<330	*	*	ND<330	ND<330	ND<330	720	0.72	duplicate (RPD = 2.8)
505119274.119	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; height 3.33'
505119274.121	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; height 2.25'
505119274.122	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	1,600	ND<330	ND<330	ND<330	1,600	1.60	concrete; height 4.08'
505119274.129	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	900	ND<330	ND<330	ND<330	900	0.90	concrete' height 3.92'
505119274.130	5/5/2011	ND<330	ND<330	ND<330	ND<330	*	*	ND<330	ND<330	ND<330	800	0.8	concrete wall; painted; height 2.0'
505119274.131	5/5/2011	ND<320	ND<320	ND<320	ND<320	*	*	ND<320	ND<320	ND<320	1,000	1.0	concrete wall; painted; height 2.17'
505119274.132	5/5/2011	ND<330	ND<330	ND<330	ND<330	*	*	ND<330	ND<330	ND<330	720	0.72	concrete; height 2.5'
505119274.137	5/5/2011	ND<330	ND<330	ND<330	ND<330	*	*	ND<330	ND<330	ND<330	2,000	2.00	concrete; height 3.08'
505119274.138	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	exterior concrete; height 1.67'
505119274.139	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	470	ND<330	ND<330	ND<330	470	0.47	concrete; height 1.67'
505119274.140	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	exterior concrete; height 2.0'
<b>First Floor Walls 1/2"-1"</b>													
505119274.120	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; height 2.92'
505119274.123	5/5/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	ND<0.32	concrete; height 1.83'
505119274.123dup	5/5/2011	ND<320	ND<320	ND<320	ND<320	ND<320	*	*	ND<320	ND<320	430	0.43	duplicate (RPD = NA)
505119274.124	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; height 2.25'
505119274.125	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	450	ND<330	ND<330	ND<330	450	0.45	concrete; height 4.08'
505119274.126	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; height 2.0'
505119274.127	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; height 3.33'
505119274.128	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; height 2.08'
505119274.133	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; height 2.0'
505119274.134	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; height 2.5'
505119274.135	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	420	ND<330	ND<330	ND<330	420	0.42	concrete' height 3.92'
505119274.136	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	concrete; height 2.17'
505119274.141	5/5/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	ND<0.32	concrete; height 1.67'
505119274.142	5/5/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	ND<0.32	exterior concrete; height 1.67'
505119274.143	5/5/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	ND<0.32	concrete; height 3.08'
505119274.144	5/5/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	ND<0.33	exterior concrete; height 2.0'

## Notes:

Samples collected by ECS and Clay Point Associates in 2011 were analyzed by Phoenix Environmental Laboratories, Inc. of Manchester, CT

µg/Kg - Microgram per Kilogram

mg/Kg - Milligram per Kilogram

ND - not detected to detection limit shown

Bold and shaded values represent the presence of PCBs; highlighted values are &gt;50 mg/kg.

\* PCBs most closely resembles a mixture of the selected Aroclors

# Table 4 - Exterior Foundation of Former Generating Station Concrete Sample Results

GMP Plant #4, Montpelier, VT

5/12/11 - 5/13/11

Sample ID	Date	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	PCB-1262	PCB-1268	Total PCB (ug/Kg)	Total PCB (mg/Kg)	Sample Media Location
<b>Foundation Floor</b>													
512119274.145	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.146	5/12/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	concrete
512119274.147	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.148	5/12/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	concrete
512119274.149	5/12/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	concrete
512119274.150	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.151	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.152	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.153	5/12/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	concrete
512119274.154	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.155	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.156	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.157	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.158	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.159	5/12/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	1300	ND<320	ND<320	1,300	1.3	concrete
512119274.160	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.161	5/12/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	340	ND<320	ND<320	340	0.34	concrete
512119274.162	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.163	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
512119274.164	5/12/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	440	ND<330	ND<330	440	0.44	concrete
<b>Walls</b>													
513119274.165	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
513119274.166	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
513119274.167	5/13/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	concrete
513119274.168	5/13/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	concrete
513119274.169	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
513119274.170	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
513119274.171	5/13/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	concrete
513119274.172	5/13/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	concrete
513119274.173	5/13/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	concrete
513119274.174	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
513119274.175	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
513119274.176	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
513119274.177	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
513119274.178		Broken during shipment to laboratory											concrete
513119274.179	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
513119274.180	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
513119274.181	5/13/2011	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<320	ND<0.32	concrete
513119274.182	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete
513119274.183	5/13/2011	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<330	ND<0.33	concrete

Notes:

Samples collected by ECS and Clay Point Associates, and analyzed by Phoenix Analytical Laboratories, Inc. of Manchester, CT

mg/Kg - Milligram per Kilogram

ND - not detected to detection limit shown

Bold and shaded values represent the presence of PCBs; highlighted values are >50 mg/kg.

\* PCBs most closely resembles a mixture of the selected Aroclors

**Table 5 - Summary of Electrical Equipment Stored at GMP Plant #4  
Disposal of these items as PCB Remediation Waste >50 mg/kg**

Approximate # Items	Description of Item - Not Technical
<b>First Floor</b>	
1	GE Type JVT-200 Transformer
2	Small control panels - GE AC Kilo Volts
1	AC Amperes by GE
1	Time Overcurrent Relay by GE
1	GE Synchronism Check Relay
x	Misc switches
1	GE Polyphase wattmeter
1	GE around directional overcurrent relay
1	GE A.C. reclosing relay type ACR
3	Lincoln graphic wattmeter
3	Voltmeters
1	Humidifier humidified
1	Control Panel with various gauges
7	breaker panels
2	transformers
2	spools of wire
3	small electric motors
<b>Second Floor</b>	
1	Putney Tap Changer
22	Lapp Large Insulators
8	Street Lamps
2	spools of wire
>30	Misc. relay controls
1	GE CH Recorder
3	Type W200 Current Transformers
4	Westinghouse 1985 Type O+ insulators
2	GE Metallic Rectifiers
1	12S VDC Circuit Breaker
4	SNC Power Fuse Holders
x	Misc. small electric motors
1	Overhead Crane and Crane Motor (crane oil analyzed - 51 mg/kg)
1	Large Motorola Control Panel for Radio
x	breaker panels
1	transformer
<b>Second Floor</b>	
3	Fuses
1	Small Westinghouse Transformer
x	miscellaneous controls and gauges, wooden boxes, meters, small parts

## **APPENDIX A**

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### **CERTIFICATION OF DOCUMENT AVAILABILITY**

**APPENDIX A**

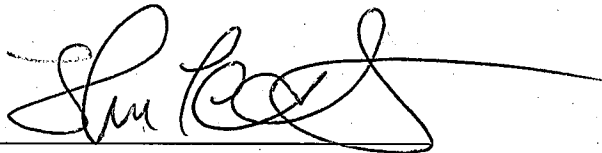
**CERTIFICATION OF DOCUMENT AVAILABILITY  
TSCA SELF IMPLEMENTING CLEANUP NOTIFICATION**

**GREEN MOUNTAIN POWER CORPORATION  
163 ACORN LANE  
COLCHESTER, VERMONT 05446**

I hereby certify that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures and instrumentation/chemical analysis procedures used to assess or characterize the PCB contamination at Green Mountain Power's Plant #4 Building located on Gallison Hill Road in Montpelier, Vermont are located at the following location and available for U.S. Environmental Protection Agency review:

Green Mountain Power Corporation  
163 Acorn Lane  
Colchester, Vermont 05446

Signature: \_\_\_\_\_



Name: John Tedesco

Title: Safety and Environmental Manager

Date: 11 June 2011

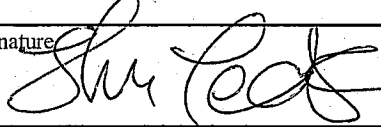
## **APPENDIX B**

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### **NOTIFICATION OF PCB ACTIVITY FORM**

**USEPA**United States  
Environmental Protection Agency  
Washington, DC 20460Form Approved  
OMB No. 2070-0112

## Notification of PCB Activity

Return To:  Fibers & Organics Branch (7404T) Office of Pollution Prevention & Toxics U.S. Environmental Protection Agency 1200 Pennsylvania Ave., N.W. Washington, DC 20460-0001		For Official Use Only							
1. Name of Facility <b>Montpelier Plant #4 Bld.</b>	Name of Owner Facility <b>Green Mountain Power</b>	2. EPA Identification Number (if already assigned under RCRA) <b>VTD003936747</b>							
3. Facility Mailing Address (Street or PO Box, City, State, & Zip Code) <b>Green Mountain Power Corporation 163 Acorn Lane Colchester, VT 05446</b>		4. Location of Facility (No. Street, City, State, & Zip Code) <b>Gallison Hill Road Montpelier, VT</b>							
5. Installation Contact (Name and Title) <b>John Tedesco, Safety and Environmental Manager</b>		6. Type of PCB Activity (Mark 'X' in appropriate box. See Instructions.) <table border="0"><tr><td><input checked="" type="checkbox"/> A. Generator w/onsite storage facility</td><td><input type="checkbox"/> B. Storer (Commercial)</td></tr><tr><td><input type="checkbox"/> C. Transporter</td><td><input type="checkbox"/> D. R&amp;D/Treatability</td></tr><tr><td><input type="checkbox"/> E. Approved Disposer</td><td><input type="checkbox"/> F. Scrap Metal Recovery Oven/Smelter, High Efficiency Boilers</td></tr></table>		<input checked="" type="checkbox"/> A. Generator w/onsite storage facility	<input type="checkbox"/> B. Storer (Commercial)	<input type="checkbox"/> C. Transporter	<input type="checkbox"/> D. R&D/Treatability	<input type="checkbox"/> E. Approved Disposer	<input type="checkbox"/> F. Scrap Metal Recovery Oven/Smelter, High Efficiency Boilers
<input checked="" type="checkbox"/> A. Generator w/onsite storage facility	<input type="checkbox"/> B. Storer (Commercial)								
<input type="checkbox"/> C. Transporter	<input type="checkbox"/> D. R&D/Treatability								
<input type="checkbox"/> E. Approved Disposer	<input type="checkbox"/> F. Scrap Metal Recovery Oven/Smelter, High Efficiency Boilers								
Telephone Number (Area Code and Number) <b>802-655-8753</b>									
7. Certification  Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as a company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.									
Signature 		Name and Official Title (Type of Print) <b>John Tedesco Safety &amp; Environmental Mgr</b>							
Date Signed <b>6/14/2011</b>									
<b>Paperwork Reduction Act Notice</b>  The annual public burden for this collection of information is estimated to average 0.57 hours per response. This estimate includes time for reading instructions, searching existing data sources, gathering and maintaining the needed data, and completing and reviewing collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, Collection Strategies Division, U.S. Environmental Protection Agency (mail code 2822), 1200 Pennsylvania Ave., N.W., Washington, D.C. 20460-0001. Include the OMB number identified above in any correspondence. Do not send the completed form to this address. The actual information or form should be submitted in accordance with the instructions accompanying the form, or as specified in the corresponding regulations.									

## **APPENDIX C**

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### LABORATORY REPORTS



Thursday, March 10, 2011

Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

Project ID: GMP PLANT #4 BUILDING  
Sample ID#s: BA07388 - BA07405

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



**TIER II DELIVERABLE**

**Client: ECS**  
**Project: GMP PLANT #4 BUILDING**  
**Laboratory Project: GBA07388**



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823



## TIER II Deliverables Format

March 10, 2011

SDG I.D.: GBA07388

ECS GMP PLANT #4 BUILDING

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### Methodology Summary

#### Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Extraction Method 3540C.

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

### Sample Id Cross Reference

Client Id	Lab Id	Matrix
0225119274.54	BA07388	SOLID
0225119274.56	BA07389	SOLID
0225119274.69	BA07390	SOLID
0225119274.68	BA07391	SOLID
0225119274.63	BA07392	SOLID
0225119274.59	BA07393	SOLID
0225119274.66	BA07394	SOLID
0225119274.67	BA07395	SOLID
0225119274.52	BA07396	SOLID
0225119274.53	BA07397	SOLID
0225119274.62	BA07398	SOLID
0225119274.64	BA07399	SOLID
0225119274.55	BA07400	SOLID
0225119274.65	BA07401	SOLID
0225119274.58	BA07402	SOLID
0225119274.61	BA07403	SOLID
0225119274.57	BA07404	SOLID
0225119274.60	BA07405	SOLID

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## TIER II Deliverables Format

March 10, 2011

SDG I.D.: GBA07388

ECS GMP PLANT #4 BUILDING

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### Laboratory Chronicle

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BA07388	PCB (Soxhlet)	02/25/11	03/03/11	03/07/11	MH	Y
BA07389	PCB (Soxhlet)	02/25/11	03/03/11	03/07/11	MH	Y
BA07390	PCB (Soxhlet)	02/25/11	03/03/11	03/07/11	MH	Y
BA07391	PCB (Soxhlet)	02/25/11	03/03/11	03/07/11	MH	Y
BA07392	PCB (Soxhlet)	02/25/11	03/03/11	03/07/11	MH	Y
BA07393	PCB (Soxhlet)	02/25/11	03/03/11	03/07/11	MH	Y
BA07394	PCB (Soxhlet)	02/25/11	03/03/11	03/07/11	MH	Y
BA07395	PCB (Soxhlet)	02/25/11	03/03/11	03/07/11	MH	Y
BA07396	PCB (Soxhlet)	02/25/11	03/03/11	03/07/11	MH	Y
BA07397	PCB (Soxhlet)	02/25/11	03/03/11	03/07/11	MH	Y
BA07398	PCB (Soxhlet)	02/25/11	03/03/11	03/09/11	MH	Y
BA07399	PCB (Soxhlet)	02/25/11	03/03/11	03/09/11	MH	Y
BA07400	PCB (Soxhlet)	02/25/11	03/03/11	03/08/11	MH	Y
BA07401	PCB (Soxhlet)	02/25/11	03/03/11	03/08/11	MH	Y
BA07402	PCB (Soxhlet)	02/25/11	03/03/11	03/08/11	MH	Y
BA07403	PCB (Soxhlet)	02/25/11	03/03/11	03/09/11	MH	Y
BA07404	PCB (Soxhlet)	02/25/11	03/03/11	03/08/11	MH	Y
BA07405	PCB (Soxhlet)	02/25/11	03/03/11	03/09/11	MH	Y

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## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11 10:40  
03/03/11 10:40

### Time

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07388

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.54

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	7000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1221	ND	7000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1232	ND	7000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1242	ND	7000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1248	*	7000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1254	*	7000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1260	ND	7000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1262	ND	7000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1268	ND	7000	ug/Kg	03/07/11		MH	3540C/8082
Total PCBs	18000	7000	ug/Kg	03/07/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/07/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/07/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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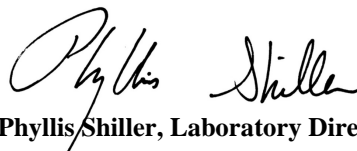
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**March 10, 2011**



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## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/25/11	11:10
03/03/11	10:40

### Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07389

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.56

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1221	ND	400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1232	ND	400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1242	ND	400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1248	*	400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1254	*	400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1260	ND	400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1262	ND	400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1268	ND	400	ug/Kg	03/07/11		MH	3540C/8082
Total PCBs	440	400	ug/Kg	03/07/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	93		%	03/07/11		MH	3540C/8082
% TCMX	92		%	03/07/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

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**March 10, 2011**



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## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/25/11	14:20
03/03/11	10:40

### Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07390

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.69

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	2700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1221	ND	2700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1232	ND	2700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1242	ND	2700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1248	*	2700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1254	*	2700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1260	ND	2700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1262	ND	2700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1268	ND	2700	ug/Kg	03/07/11		MH	3540C/8082
Total PCBs	16000	2700	ug/Kg	03/07/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/07/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/07/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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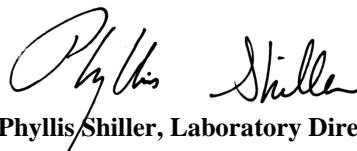
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

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**March 10, 2011**



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## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11  
03/03/11

### Time

14:05  
10:40

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07391

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.68

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1221	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1232	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1242	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1248	*	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1254	*	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1260	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1262	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1268	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
Total PCBs	19000	3600	ug/Kg	03/07/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/07/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/07/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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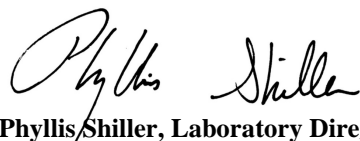
Comments:

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**March 10, 2011**



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## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11  
03/03/11

### Time

11:30  
10:40

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07392

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.63

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	3000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1221	ND	3000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1232	ND	3000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1242	ND	3000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1248	*	3000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1254	*	3000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1260	ND	3000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1262	ND	3000	ug/Kg	03/07/11		MH	3540C/8082
PCB-1268	ND	3000	ug/Kg	03/07/11		MH	3540C/8082
Total PCBs	11000	3000	ug/Kg	03/07/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/07/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/07/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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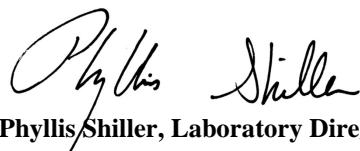
Comments:

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**March 10, 2011**



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## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/25/11	11:00
03/03/11	10:40

### Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07393

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.59

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1221	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1232	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1242	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1248	*	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1254	*	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1260	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1262	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1268	ND	3600	ug/Kg	03/07/11		MH	3540C/8082
Total PCBs	14000	3600	ug/Kg	03/07/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/07/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/07/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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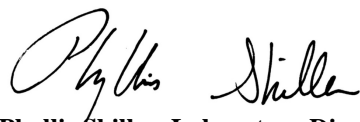
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

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March 10, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11 13:50  
03/03/11 10:40

### Time

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07394

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.66

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1221	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1232	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1242	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1248	*	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1254	*	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1260	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1262	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1268	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
Total PCBs	12000	4700	ug/Kg	03/07/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/07/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/07/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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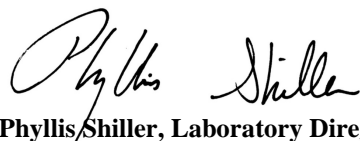
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**March 10, 2011**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11 14:00  
03/03/11 10:40

### Time

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07395

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.67

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1221	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1232	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1242	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1248	*	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1254	*	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1260	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1262	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
PCB-1268	ND	4700	ug/Kg	03/07/11		MH	3540C/8082
Total PCBs	19000	4700	ug/Kg	03/07/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/07/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/07/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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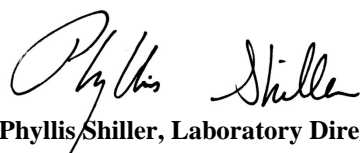
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**March 10, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11 13:30  
03/03/11 10:40

### Time

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07396

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.52

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	4400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1221	ND	4400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1232	ND	4400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1242	ND	4400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1248	*	4400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1254	*	4400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1260	ND	4400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1262	ND	4400	ug/Kg	03/07/11		MH	3540C/8082
PCB-1268	ND	4400	ug/Kg	03/07/11		MH	3540C/8082
Total PCBs	28000	4400	ug/Kg	03/07/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/07/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/07/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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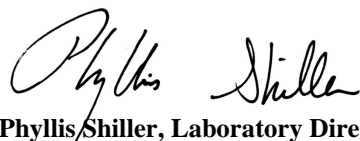
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**March 10, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11  
03/03/11

### Time

13:15  
10:40

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07397

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.53

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	6600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1221	ND	6600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1232	ND	6600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1242	ND	6600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1248	*	6600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1254	*	6600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1260	ND	6600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1262	ND	6600	ug/Kg	03/07/11		MH	3540C/8082
PCB-1268	ND	6600	ug/Kg	03/07/11		MH	3540C/8082
Total PCBs	23000	6600	ug/Kg	03/07/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/07/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/07/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

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**March 10, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11 11:20  
03/03/11 10:40

### Time

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07398

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.62

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	2600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1221	ND	2600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1232	ND	2600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1242	ND	2600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1248	*	2600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1254	*	2600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1260	*	2600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1262	ND	2600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1268	ND	2600	ug/Kg	03/09/11		MH	3540C/8082
Total PCBs	12000	2600	ug/Kg	03/09/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/09/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/09/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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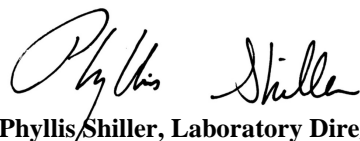
Comments:

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**March 10, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11 13:40  
03/03/11 10:40

### Time

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07399

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.64

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	27000	ug/Kg	03/09/11		MH	3540C/8082
PCB-1221	ND	27000	ug/Kg	03/09/11		MH	3540C/8082
PCB-1232	ND	27000	ug/Kg	03/09/11		MH	3540C/8082
PCB-1242	ND	27000	ug/Kg	03/09/11		MH	3540C/8082
PCB-1248	*	27000	ug/Kg	03/09/11		MH	3540C/8082
PCB-1254	*	27000	ug/Kg	03/09/11		MH	3540C/8082
PCB-1260	*	27000	ug/Kg	03/09/11		MH	3540C/8082
PCB-1262	ND	27000	ug/Kg	03/09/11		MH	3540C/8082
PCB-1268	ND	27000	ug/Kg	03/09/11		MH	3540C/8082
Total PCBs	140000	27000	ug/Kg	03/09/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/09/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/09/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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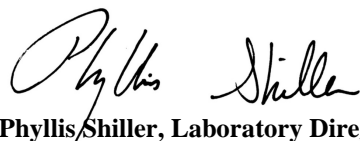
Comments:

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**March 10, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11  
03/03/11

### Time

12:50  
10:40

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07400

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.55

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1221	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1232	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1242	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1248	*	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1254	*	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1260	*	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1262	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1268	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
Total PCBs	6900	1000	ug/Kg	03/08/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	131		%	03/08/11		MH	3540C/8082
% TCMX	116		%	03/08/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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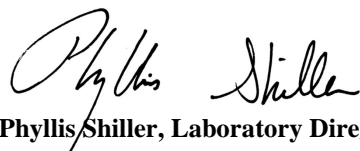
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**March 10, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
02/25/11	11:45
03/03/11	10:40

### Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07401

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.65

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	4600	ug/Kg	03/08/11		MH	3540C/8082
PCB-1221	ND	4600	ug/Kg	03/08/11		MH	3540C/8082
PCB-1232	ND	4600	ug/Kg	03/08/11		MH	3540C/8082
PCB-1242	ND	4600	ug/Kg	03/08/11		MH	3540C/8082
PCB-1248	*	4600	ug/Kg	03/08/11		MH	3540C/8082
PCB-1254	*	4600	ug/Kg	03/08/11		MH	3540C/8082
PCB-1260	*	4600	ug/Kg	03/08/11		MH	3540C/8082
PCB-1262	ND	4600	ug/Kg	03/08/11		MH	3540C/8082
PCB-1268	ND	4600	ug/Kg	03/08/11		MH	3540C/8082
Total PCBs	32000	4600	ug/Kg	03/08/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/08/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/08/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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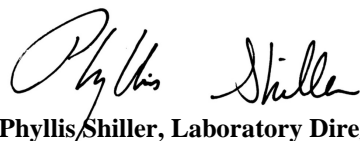
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**March 10, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11 12:40  
03/03/11 10:40

### Time

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07402

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.58

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1221	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1232	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1242	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1248	*	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1254	*	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1260	*	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1262	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
PCB-1268	ND	1000	ug/Kg	03/08/11		MH	3540C/8082
Total PCBs	16000	1000	ug/Kg	03/08/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	96		%	03/08/11		MH	3540C/8082
% TCMX	71		%	03/08/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
-----------	--------	----	-------	------	------	----	-----------

Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**March 10, 2011**



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## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11 12:05  
03/03/11 10:40

### Time

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07403

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.61

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	830	ug/Kg	03/09/11		MH	3540C/8082
PCB-1221	ND	830	ug/Kg	03/09/11		MH	3540C/8082
PCB-1232	ND	830	ug/Kg	03/09/11		MH	3540C/8082
PCB-1242	ND	830	ug/Kg	03/09/11		MH	3540C/8082
PCB-1248	*	830	ug/Kg	03/09/11		MH	3540C/8082
PCB-1254	*	830	ug/Kg	03/09/11		MH	3540C/8082
PCB-1260	*	830	ug/Kg	03/09/11		MH	3540C/8082
PCB-1262	ND	830	ug/Kg	03/09/11		MH	3540C/8082
PCB-1268	ND	830	ug/Kg	03/09/11		MH	3540C/8082
Total PCBs	5600	830	ug/Kg	03/09/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	102		%	03/09/11		MH	3540C/8082
% TCMX	96		%	03/09/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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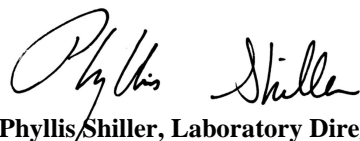
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**March 10, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11  
03/03/11

### Time

13:00  
10:40

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07404

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.57

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	9100	ug/Kg	03/08/11		MH	3540C/8082
PCB-1221	ND	9100	ug/Kg	03/08/11		MH	3540C/8082
PCB-1232	ND	9100	ug/Kg	03/08/11		MH	3540C/8082
PCB-1242	ND	9100	ug/Kg	03/08/11		MH	3540C/8082
PCB-1248	*	9100	ug/Kg	03/08/11		MH	3540C/8082
PCB-1254	*	9100	ug/Kg	03/08/11		MH	3540C/8082
PCB-1260	*	9100	ug/Kg	03/08/11		MH	3540C/8082
PCB-1262	ND	9100	ug/Kg	03/08/11		MH	3540C/8082
PCB-1268	ND	9100	ug/Kg	03/08/11		MH	3540C/8082
Total PCBs	74000	9100	ug/Kg	03/08/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/08/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/08/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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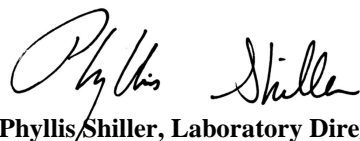
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**March 10, 2011**



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## Analysis Report

March 10, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

02/25/11 12:25  
03/03/11 10:40

### Time

## Laboratory Data

SDG ID: GBA07388  
Phoenix ID: BA07405

Project ID: GMP PLANT #4 BUILDING

Client ID: 0225119274.60

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/04/11		JL	E160.3
Extraction for PCB	Completed			03/03/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	7600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1221	ND	7600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1232	ND	7600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1242	ND	7600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1248	*	7600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1254	*	7600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1260	*	7600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1262	ND	7600	ug/Kg	03/09/11		MH	3540C/8082
PCB-1268	ND	7600	ug/Kg	03/09/11		MH	3540C/8082
Total PCBs	77000	7600	ug/Kg	03/09/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/09/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/09/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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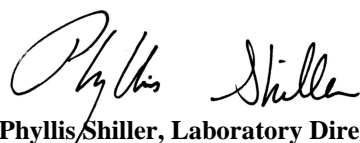
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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## QA/QC Report

March 10, 2011

### QA/QC Data

SDG I.D.: GBA07388

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
-----------	-------	----------	-----------	------------	-------------	-----------------	-----

QA/QC Batch 171654, QC Sample No: BA07117 (BA07388, BA07389, BA07390, BA07391, BA07392, BA07393, BA07394, BA07395, BA07396, BA07397, BA07398, BA07399, BA07400, BA07401)

#### Polychlorinated Biphenyls

PCB-1016	ND	101	104	2.9	105	118	11.7
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	102	114	11.1	106	119	11.6
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	98	86	126	37.7	88	96	8.7
% TCMX (Surrogate Rec)	94	83	80	3.7	83	91	9.2

QA/QC Batch 171724, QC Sample No: BA07403 (BA07402, BA07403, BA07404, BA07405)

#### Polychlorinated Biphenyls

PCB-1016	ND	114	113	0.9			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	105	109	3.7			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	125	114	119	4.3			
% TCMX (Surrogate Rec)	98	87	87	0.0			

Comment:

\* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria

Phyllis Shiller, Laboratory Director  
March 10, 2011



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# Project Narrative

March 10, 2011

SDG ID.: GBA07388

---

## PCB Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

**Instrument:** Au-ecd1 03/08/11-1 (BA07400, BA07401, BA07402)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 3/8/2011

**Instrument:** Au-ecd1 03/09/11-1 (BA07398, BA07399, BA07404)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 3/9/2011

**Instrument:** Au-ecd5 03/09/11-1 (BA07403, BA07404, BA07405)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 3/9/2011

**Instrument:** Au-ecd7 03/07/11-1 (BA07388, BA07389, BA07390, BA07391, BA07392, BA07393, BA07394, BA07395, BA07396, BA07397)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none



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## Project Narrative

March 10, 2011

SDG ID.: GBA07388

---

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 3/7/2011

**QC Comments:** QC Batch 71724 03/03/11 (BA07402, BA07403, BA07404, BA07405)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

**QC (Site Specific)**

----- Sample No: BA07403 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

**QC (Batch Specific)**

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: % DCBP (Surrogate Rec)



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## Laboratory Modified Tier II Data Validation Checklist

March 10, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA07388

	Yes	No	Na	Comment
1. SDG Project Narrative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Traffic Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Volatiles Data				
a. <u>SampleData</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				
Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Internal Standard area summary	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate percent recovery summary	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TIC compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Semivolatiles Data				
a. <u>Sample Data</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				



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## Laboratory Modified Tier II Data Validation Checklist

March 10, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA07388

	Yes	No	Na	Comment
4. b. Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Internal Standards areas summary	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate Percent Recovery Summary	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TCL compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
GPC chromatograms (if GOC performed)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. GC Data				
a. <u>Sample Data</u>				
Chromatograms	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
Retention time windows	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
Percent solids calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
b. <u>Standards</u>				
Initial Calibration data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
Retention time windows	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
Continuing Calibration data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
Retention time windows	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
c. <u>QC Data</u>				
Method Blank data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Miscellaneous				



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## Laboratory Modified Tier II Data Validation Checklist

March 10, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA07388

		Yes	No	Na	Comment
6.	Original preparation and analysis forms or copies of preparation and analysis log book pages	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
	Internal sample & sample extract transfer chain-of-custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
	Screening records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
	All instrument output, including strip charts from screening activities (describe or list)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	chromatograms available
7.	Chain-of-Custody Records				
	Chain-of-Custody documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Sample log-in sheet (lab & DC1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
	Miscellaneous shipping/receiving records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8.	Internal lab sample transfer records and tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
9.	Other Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10.	Comments (see attached)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	see narrative

Completed by:  
(Lab)

Phyllis Shiller, Laboratory Directory  
(Printed Name/Title)

10-Mar-11  
Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for five (5) years following certification of this document.

Certified by:  
(Lab)

Phyllis Shiller, Laboratory Directory  
(Printed Name/Title)

10-Mar-11  
Date



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: service@phoenixlabs.com Fax (860) 645-0823

Environmental Laboratories, Inc.

Temp 5 Pg 1 of 2

**Data Delivery:**  
☐ Fax #:  
☒ Email:

Customer: ECs Project P.O: 08-205353.00  
Address: 1 Elm St Suite 3 Report to: L. Woodard - ECS Phone #: 802-241-4131  
Waterbury VT Invoice to: Cari Rock - GMP Fax #: 802-244-6894

Client Sample - Information - Identification				Analysis Request
Sampler's Signature	Customer Identification	Sample Matrix	Date Sampled	
<u>Laura Woodard</u>	<u>0225119274.54</u>	<u>BW</u>	<u>2/25/11</u>	
<u>07388</u>	<u>0225119274.54</u>	<u>BW</u>	<u>2/25/11</u>	
<u>07389</u>	<u>0225119274.56</u>	<u>BW</u>	<u>1110</u>	
<u>07390</u>	<u>0225119274.69</u>	<u>BW</u>	<u>1420</u>	
<u>07391</u>	<u>0225119274.68</u>	<u>BW</u>	<u>1405</u>	
<u>07392</u>	<u>0225119274.63</u>	<u>BW</u>	<u>1130</u>	
<u>07393</u>	<u>0225119274.59</u>	<u>BW</u>	<u>1100</u>	
<u>07394</u>	<u>0225119274.66</u>	<u>BW</u>	<u>1350</u>	
<u>07395</u>	<u>0225119274.67</u>	<u>BW</u>	<u>1400</u>	
<u>07396</u>	<u>0225119274.52</u>	<u>BW</u>	<u>1330</u>	
<u>07397</u>	<u>0225119274.53</u>	<u>BW</u>	<u>1315</u>	
<u>07398</u>	<u>0225119274.62</u>	<u>BW</u>	<u>1120</u>	
<u>07399</u>	<u>0225119274.64</u>	<u>Paint</u>	<u>1340</u>	

Relinquished by:	Accepted by:	Date:	Time:
<u>Laura Woodard</u>	<u>Chen</u>	<u>2/25/11</u>	<u>1706</u>
<u>Feder</u>	<u>Chen</u>	<u>2/23/11</u>	<u>10:41</u>

Comments, Special Requirements or Regulations:  
Tier 2 report please for EPA

State where samples were collected: VT

**Turnaround:**  
☐ 1 Day\*  
☐ 2 Days\*  
☐ 3 Days\*  
☒ Standard  
☐ Other

**CT/IRI:**  
☐ RCP Cert.  
☐ GW Protect.  
☐ GA Mobility  
☐ GB Mobility  
☐ SW Protect.  
☐ Res. Vol.  
☐ Ind. Vol.  
☐ Res. Criteria  
☐ Other

**MA:**  
☐ MCP Cert.  
☐ GW-1  
☐ GW-2  
☐ GW-3  
☐ S-1  
☐ S-2  
☐ S-3  
☐ MWRA eSMART  
☐ Other

**\* SURCHARGE APPLIES**

**Data Format:**  
☐ Excel  
☒ PDF  
☐ GIS/Key  
☐ EQUIS  
☐ Other

**Data Package:**  
☐ ASP-A  
☐ NJ Reduced Deliv. \*  
☐ NJ Hazsite EDD  
☒ Phoenix Std Report  
☐ Other





Tuesday, March 15, 2011

Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

Project ID: GMP PLANT #4 BUILDING  
Sample ID#s: BA08846 - BA08871

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **TIER II DELIVERABLE**

**Client: ECS**  
**Project: GMP PLANT #4 BUILDING**  
**Laboratory Project: GBA08846**



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Tel. (860) 645-1102 Fax (860) 645-0823



## **TIER II Deliverables Format**

**March 16, 2011**

**SDG I.D.: GBA08846**

**ECS GMP PLANT #4 BUILDING**

---

### **Methodology Summary**

#### **Polychlorinated Biphenyls (PCBs):**

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III,  
Extraction Method 3540C.

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV,  
Method 8082A.

---



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## TIER II Deliverables Format

March 16, 2011

SDG I.D.: GBA08846

ECS GMP PLANT #4 BUILDING

### Sample Id Cross Reference

Client Id	Lab Id	Matrix
0302119274.81	BA08846	SOLID
0302119274.93	BA08847	SOLID
0302119274.95	BA08848	SOLID
0302119274.94	BA08849	SOLID
0302119274.91	BA08850	SOLID
0302119274.90	BA08851	SOLID
0302119274.92	BA08852	SOLID
0302119274.83	BA08853	SOLID
0302119274.88	BA08854	SOLID
0302119274.89	BA08855	SOLID
0302119274.78	BA08856	SOLID
0302119274.85	BA08857	SOLID
0302119274.87	BA08858	SOLID
0302119274.86	BA08859	SOLID
0302119274.72	BA08860	SOLID
0302119274.70	BA08861	SOLID
0302119274.74	BA08862	SOLID
0302119274.73	BA08863	SOLID
0302119274.75	BA08864	SOLID
0302119274.71	BA08865	SOLID
0302119274.76	BA08866	SOLID
0302119274.77	BA08867	SOLID
0302119274.80	BA08868	SOLID
0302119274.84	BA08869	SOLID
0302119274.82	BA08870	SOLID
0302119274.79	BA08871	SOLID



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## TIER II Deliverables Format

March 16, 2011

SDG I.D.: GBA08846

ECS GMP PLANT #4 BUILDING

### Laboratory Chronicle

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BA08846	PCB (Soxhlet)	03/02/11	03/09/11	03/11/11	MH	Y
BA08847	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08848	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08849	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08850	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08851	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08852	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08853	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08854	PCB (Soxhlet)	03/02/11	03/09/11	03/11/11	MH	Y
BA08855	PCB (Soxhlet)	03/02/11	03/09/11	03/11/11	MH	Y
BA08856	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08857	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08858	PCB (Soxhlet)	03/02/11	03/09/11	03/11/11	MH	Y
BA08859	PCB (Soxhlet)	03/02/11	03/09/11	03/11/11	MH	Y
BA08860	PCB (Soxhlet)	03/02/11	03/09/11	03/11/11	MH	Y
BA08861	PCB (Soxhlet)	03/02/11	03/09/11	03/11/11	MH	Y
BA08862	PCB (Soxhlet)	03/02/11	03/09/11	03/11/11	MH	Y
BA08863	PCB (Soxhlet)	03/02/11	03/09/11	03/11/11	MH	Y
BA08864	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08865	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08866	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08867	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08868	PCB (Soxhlet)	03/02/11	03/09/11	03/11/11	MH	Y
BA08869	PCB (Soxhlet)	03/02/11	03/09/11	03/10/11	MH	Y
BA08870	PCB (Soxhlet)	03/02/11	03/09/11	03/11/11	MH	Y
BA08871	PCB (Soxhlet)	03/02/11	03/09/11	03/14/11	MH	Y



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	12:30
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08846

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.81

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	700	ug/Kg	03/11/11		MH	3540C/8082
PCB-1221	ND	700	ug/Kg	03/11/11		MH	3540C/8082
PCB-1232	ND	700	ug/Kg	03/11/11		MH	3540C/8082
PCB-1242	ND	700	ug/Kg	03/11/11		MH	3540C/8082
PCB-1248	*	700	ug/Kg	03/11/11		MH	3540C/8082
PCB-1254	*	700	ug/Kg	03/11/11		MH	3540C/8082
PCB-1260	ND	700	ug/Kg	03/11/11		MH	3540C/8082
PCB-1262	ND	700	ug/Kg	03/11/11		MH	3540C/8082
PCB-1268	ND	700	ug/Kg	03/11/11		MH	3540C/8082
Total PCBs	1600	700	ug/Kg	03/11/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	76		%	03/11/11		MH	3540C/8082
% TCMX	86		%	03/11/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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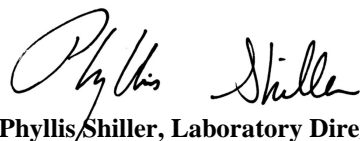
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**March 16, 2011**



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

03/02/11 14:15  
03/09/11 12:06

### Time

## Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08847

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.93

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
MS/MSD Ext. For PCB	Completed			03/10/11			
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
QC for PCB	Completed			03/14/11			
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	490	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	490	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	490	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	490	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	490	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	ND	490	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	490	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	490	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	490	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	85		%	03/10/11		MH	3540C/8082
% TCMX	100		%	03/10/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**March 16, 2011**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	14:35
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08848

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.95

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	750	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	750	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	750	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	750	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	750	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	830	750	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	750	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	750	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	750	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	84		%	03/10/11		MH	3540C/8082
% TCMX	99		%	03/10/11		MH	3540C/8082

### Comments:

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Phyllis Shiller, Laboratory Director

March 16, 2011



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

03/02/11 14:25  
03/09/11 12:06

### Time

## Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08849

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.94

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	1300	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	790	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	81		%	03/10/11		MH	3540C/8082
% TCMX	100		%	03/10/11		MH	3540C/8082

### Comments:

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Phyllis Shiller, Laboratory Director

March 16, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	14:00
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08850

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.91

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	114		%	03/10/11		MH	3540C/8082
% TCMX	85		%	03/10/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

March 16, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

03/02/11 13:55  
03/09/11 12:06

Time

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08851

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.90

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	107		%	03/10/11		MH	3540C/8082
% TCMX	85		%	03/10/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

March 16, 2011



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	14:05
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08852

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.92

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	127		%	03/10/11		MH	3540C/8082
% TCMX	94		%	03/10/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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March 16, 2011



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## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	12:45
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08853

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.83

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	5000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	5000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	5000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	5000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	5000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	12000	5000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	5000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	5000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	5000	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/10/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/10/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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March 16, 2011



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## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	13:30
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08854

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.88

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	800	ug/Kg	03/11/11		MH	3540C/8082
PCB-1221	ND	800	ug/Kg	03/11/11		MH	3540C/8082
PCB-1232	ND	800	ug/Kg	03/11/11		MH	3540C/8082
PCB-1242	ND	800	ug/Kg	03/11/11		MH	3540C/8082
PCB-1248	*	800	ug/Kg	03/11/11		MH	3540C/8082
PCB-1254	*	800	ug/Kg	03/11/11		MH	3540C/8082
PCB-1260	ND	800	ug/Kg	03/11/11		MH	3540C/8082
PCB-1262	ND	800	ug/Kg	03/11/11		MH	3540C/8082
PCB-1268	ND	800	ug/Kg	03/11/11		MH	3540C/8082
Total PCBs	8500	800	ug/Kg	03/11/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	124		%	03/11/11		MH	3540C/8082
% TCMX	102		%	03/11/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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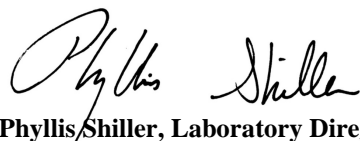
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**March 16, 2011**



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## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

03/02/11  
03/09/11

### Time

13:35  
12:06

## Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08855

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.89

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1221	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1232	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1242	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1248	*	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1254	*	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1260	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1262	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1268	ND	970	ug/Kg	03/11/11		MH	3540C/8082
Total PCBs	6700	970	ug/Kg	03/11/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	104		%	03/11/11		MH	3540C/8082
% TCMX	101		%	03/11/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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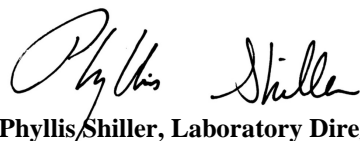
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**March 16, 2011**



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## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	12:05
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08856

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.78

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	840	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	840	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	840	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	840	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	840	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	*	840	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	*	840	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	840	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	840	ug/Kg	03/10/11		MH	3540C/8082
Total PCBs	4600	840	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	107		%	03/10/11		MH	3540C/8082
% TCMX	92		%	03/10/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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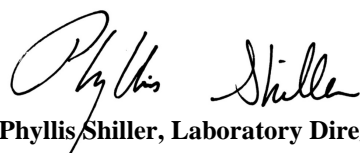
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**March 16, 2011**



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## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

03/02/11 13:00  
03/09/11 12:06

### Time

## Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08857

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.85

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	1600	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	790	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	790	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	78		%	03/10/11		MH	3540C/8082
% TCMX	102		%	03/10/11		MH	3540C/8082

### Comments:

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March 16, 2011



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## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	13:20
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08858

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.87

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	830	ug/Kg	03/11/11		MH	3540C/8082
PCB-1221	ND	830	ug/Kg	03/11/11		MH	3540C/8082
PCB-1232	ND	830	ug/Kg	03/11/11		MH	3540C/8082
PCB-1242	ND	830	ug/Kg	03/11/11		MH	3540C/8082
PCB-1248	*	830	ug/Kg	03/11/11		MH	3540C/8082
PCB-1254	*	830	ug/Kg	03/11/11		MH	3540C/8082
PCB-1260	ND	830	ug/Kg	03/11/11		MH	3540C/8082
PCB-1262	ND	830	ug/Kg	03/11/11		MH	3540C/8082
PCB-1268	ND	830	ug/Kg	03/11/11		MH	3540C/8082
Total PCBs	7800	830	ug/Kg	03/11/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	122		%	03/11/11		MH	3540C/8082
% TCMX	106		%	03/11/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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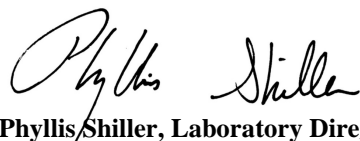
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**March 16, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

03/02/11 13:10  
03/09/11 12:06

### Time

## Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08859

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.86

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/11/11		D	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1221	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1232	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1242	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1248	*	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1254	*	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1260	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1262	ND	970	ug/Kg	03/11/11		MH	3540C/8082
PCB-1268	ND	970	ug/Kg	03/11/11		MH	3540C/8082
Total PCBs	10000	970	ug/Kg	03/11/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	148		%	03/11/11		MH	3540C/8082
% TCMX	101		%	03/11/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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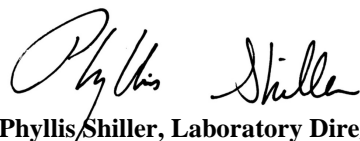
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**March 16, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

03/02/11 10:35

Time

03/09/11 12:06

### Laboratory Data

SDG ID: GBA08846

Phoenix ID: BA08860

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.72

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	3000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1221	ND	3000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1232	ND	3000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1242	ND	3000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1248	*	3000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1254	*	3000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1260	ND	3000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1262	ND	3000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1268	ND	3000	ug/Kg	03/11/11		MH	3540C/8082
Total PCBs	16000	3000	ug/Kg	03/11/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/11/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/11/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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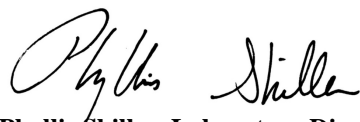
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**  
March 16, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	10:10
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08861

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.70

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	2900	ug/Kg	03/11/11		MH	3540C/8082
PCB-1221	ND	2900	ug/Kg	03/11/11		MH	3540C/8082
PCB-1232	ND	2900	ug/Kg	03/11/11		MH	3540C/8082
PCB-1242	ND	2900	ug/Kg	03/11/11		MH	3540C/8082
PCB-1248	*	2900	ug/Kg	03/11/11		MH	3540C/8082
PCB-1254	*	2900	ug/Kg	03/11/11		MH	3540C/8082
PCB-1260	ND	2900	ug/Kg	03/11/11		MH	3540C/8082
PCB-1262	ND	2900	ug/Kg	03/11/11		MH	3540C/8082
PCB-1268	ND	2900	ug/Kg	03/11/11		MH	3540C/8082
Total PCBs	17000	2900	ug/Kg	03/11/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/11/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/11/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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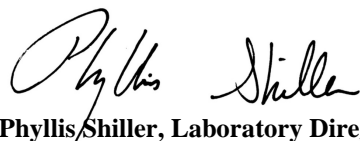
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**March 16, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	11:30
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08862

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.74

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	7000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1221	ND	7000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1232	ND	7000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1242	ND	7000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1248	*	7000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1254	*	7000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1260	ND	7000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1262	ND	7000	ug/Kg	03/11/11		MH	3540C/8082
PCB-1268	ND	7000	ug/Kg	03/11/11		MH	3540C/8082
Total PCBs	54000	7000	ug/Kg	03/11/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/11/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/11/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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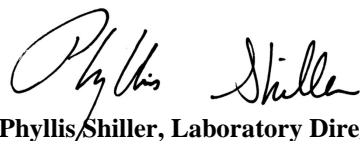
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

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**March 16, 2011**



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## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	10:50
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08863

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.73

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	740	ug/Kg	03/11/11		MH	3540C/8082
PCB-1221	ND	740	ug/Kg	03/11/11		MH	3540C/8082
PCB-1232	ND	740	ug/Kg	03/11/11		MH	3540C/8082
PCB-1242	ND	740	ug/Kg	03/11/11		MH	3540C/8082
PCB-1248	*	740	ug/Kg	03/11/11		MH	3540C/8082
PCB-1254	*	740	ug/Kg	03/11/11		MH	3540C/8082
PCB-1260	ND	740	ug/Kg	03/11/11		MH	3540C/8082
PCB-1262	ND	740	ug/Kg	03/11/11		MH	3540C/8082
PCB-1268	ND	740	ug/Kg	03/11/11		MH	3540C/8082
Total PCBs	6100	740	ug/Kg	03/11/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	61		%	03/11/11		MH	3540C/8082
% TCMX	83		%	03/11/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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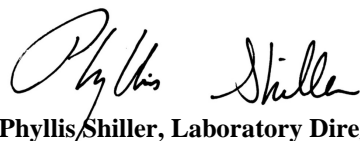
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

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**March 16, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	11:40
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08864

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.75

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	6500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	6500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	6500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	6500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	6500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	26000	6500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	6500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	6500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	6500	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/10/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/10/11		MH	3540C/8082

### Comments:

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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

03/02/11 10:30  
03/09/11 12:06

Time

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08865

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.71

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	740	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	740	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	740	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	740	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	740	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	ND	740	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	740	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	740	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	740	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	114		%	03/10/11		MH	3540C/8082
% TCMX	89		%	03/10/11		MH	3540C/8082

### Comments:

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March 16, 2011



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## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

03/02/11 11:50  
03/09/11 12:06

### Time

## Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08866

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.76

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	4500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	4500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	4500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	4500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	4500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	7100	4500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	4500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	4500	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	4500	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/10/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/10/11		MH	3540C/8082

### Comments:

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March 16, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

03/02/11 11:55  
03/09/11 12:06

### Time

## Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08867

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.77

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	3000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	3000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	3000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	3000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	3000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	12000	3000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	3000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	3000	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	3000	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/10/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/10/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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March 16, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	12:25
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08868

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.80

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	570	ug/Kg	03/11/11		MH	3540C/8082
PCB-1221	ND	570	ug/Kg	03/11/11		MH	3540C/8082
PCB-1232	ND	570	ug/Kg	03/11/11		MH	3540C/8082
PCB-1242	ND	570	ug/Kg	03/11/11		MH	3540C/8082
PCB-1248	*	570	ug/Kg	03/11/11		MH	3540C/8082
PCB-1254	*	570	ug/Kg	03/11/11		MH	3540C/8082
PCB-1260	ND	570	ug/Kg	03/11/11		MH	3540C/8082
PCB-1262	ND	570	ug/Kg	03/11/11		MH	3540C/8082
PCB-1268	ND	570	ug/Kg	03/11/11		MH	3540C/8082
Total PCBs	3500	570	ug/Kg	03/11/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	104		%	03/11/11		MH	3540C/8082
% TCMX	103		%	03/11/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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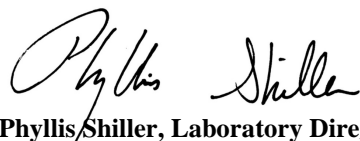
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**March 16, 2011**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

03/02/11 12:50  
03/09/11 12:06

### Time

## Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08869

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.84

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	550	ug/Kg	03/10/11		MH	3540C/8082
PCB-1221	ND	550	ug/Kg	03/10/11		MH	3540C/8082
PCB-1232	ND	550	ug/Kg	03/10/11		MH	3540C/8082
PCB-1242	ND	550	ug/Kg	03/10/11		MH	3540C/8082
PCB-1248	ND	550	ug/Kg	03/10/11		MH	3540C/8082
PCB-1254	1200	550	ug/Kg	03/10/11		MH	3540C/8082
PCB-1260	ND	550	ug/Kg	03/10/11		MH	3540C/8082
PCB-1262	ND	550	ug/Kg	03/10/11		MH	3540C/8082
PCB-1268	ND	550	ug/Kg	03/10/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	94		%	03/10/11		MH	3540C/8082
% TCMX	90		%	03/10/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

March 16, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
03/02/11	12:37
03/09/11	12:06

### Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08870

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.82

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	770	ug/Kg	03/11/11		MH	3540C/8082
PCB-1221	ND	770	ug/Kg	03/11/11		MH	3540C/8082
PCB-1232	ND	770	ug/Kg	03/11/11		MH	3540C/8082
PCB-1242	ND	770	ug/Kg	03/11/11		MH	3540C/8082
PCB-1248	*	770	ug/Kg	03/11/11		MH	3540C/8082
PCB-1254	*	770	ug/Kg	03/11/11		MH	3540C/8082
PCB-1260	ND	770	ug/Kg	03/11/11		MH	3540C/8082
PCB-1262	ND	770	ug/Kg	03/11/11		MH	3540C/8082
PCB-1268	ND	770	ug/Kg	03/11/11		MH	3540C/8082
Total PCBs	7300	770	ug/Kg	03/11/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	101		%	03/11/11		MH	3540C/8082
% TCMX	102		%	03/11/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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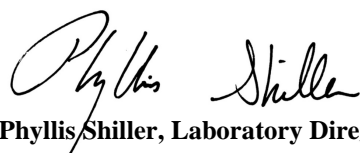
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**  
**March 16, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

March 15, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

03/02/11 12:15  
03/09/11 12:06

### Time

## Laboratory Data

SDG ID: GBA08846  
Phoenix ID: BA08871

Project ID: GMP PLANT #4 BUILDING

Client ID: 0302119274.79

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	03/10/11		JL	E160.3
Extraction for PCB	Completed			03/09/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	3600	ug/Kg	03/14/11		MH	3540C/8082
PCB-1221	ND	3600	ug/Kg	03/14/11		MH	3540C/8082
PCB-1232	ND	3600	ug/Kg	03/14/11		MH	3540C/8082
PCB-1242	ND	3600	ug/Kg	03/14/11		MH	3540C/8082
PCB-1248	*	3600	ug/Kg	03/14/11		MH	3540C/8082
PCB-1254	*	3600	ug/Kg	03/14/11		MH	3540C/8082
PCB-1260	*	3600	ug/Kg	03/14/11		MH	3540C/8082
PCB-1262	ND	3600	ug/Kg	03/14/11		MH	3540C/8082
PCB-1268	ND	3600	ug/Kg	03/14/11		MH	3540C/8082
Total PCBs	14000	3600	ug/Kg	03/14/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	03/14/11		MH	3540C/8082
% TCMX	Diluted Out		%	03/14/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
-----------	--------	----	-------	------	------	----	-----------

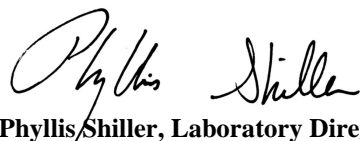
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**March 16, 2011**



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## QA/QC Report

March 16, 2011

### QA/QC Data

SDG I.D.: GBA08846

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
-----------	-------	----------	-----------	------------	-------------	-----------------	-----

QA/QC Batch 172059, QC Sample No: BA08847 (BA08846, BA08847, BA08848, BA08849, BA08850, BA08851, BA08852, BA08853, BA08854, BA08855, BA08856, BA08857, BA08858, BA08859, BA08860, BA08861, BA08862, BA08863, BA08864, BA08865)

#### Polychlorinated Biphenyls

PCB-1016	ND	88	95	7.7	100	103	3.0
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	101	102	1.0	115	126	9.1
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	130	127	121	4.8	116	123	5.9
% TCMX (Surrogate Rec)	93	80	84	4.9	78	77	1.3

QA/QC Batch 172060, QC Sample No: BA08868 (BA08866, BA08867, BA08868, BA08869, BA08870, BA08871)

#### Polychlorinated Biphenyls

PCB-1016	ND	91	89	2.2			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	93	95	2.1			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	125	125	126	0.8			
% TCMX (Surrogate Rec)	92	83	83	0.0			

Comment:

\* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria

Phyllis Shiller, Laboratory Director  
March 16, 2011



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## Project Narrative

March 16, 2011

SDG ID.: GBA08846

---

### PCB Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

**Instrument:** Au-ecd1 03/14/11-1 (BA08871)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 3/14/2011

**Instrument:** Au-ecd6 03/10/11-1 (BA08847, BA08848, BA08849, BA08850, BA08851, BA08852, BA08853, BA08856, BA08857, BA08864, BA08865, BA08866, BA08867, BA08869)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 3/10/2011

**Instrument:** Au-ecd6 03/11/11-1 (BA08846, BA08847, BA08854, BA08855, BA08858, BA08859, BA08860, BA08861, BA08862, BA08863, BA08868, BA08870)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 3/11/2011

**QC Comments:** QC Batch 72060 03/09/11 (BA08866, BA08867, BA08868, BA08869, BA08870, BA08871)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.



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## Project Narrative

March 16, 2011

SDG I.D.: GBA08846

---

### QC (Site Specific)

----- Sample No: BA08847 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BA08868 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.



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## Laboratory Modified Tier II Data Validation Checklist

March 15, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA08846

	Yes	No	Na	Comment
1. SDG Project Narrative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Traffic Report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Volatiles Data				
a. <u>Sample Data</u>				
Compound List	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				
Initial Calibration data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal Standard area summary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate percent recovery summary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TIC compounds identified	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Semivolatiles Data				
a. <u>Sample Data</u>				
Compound List	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				



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Tel. (860) 645-1102 Fax (860) 645-0823

## Laboratory Modified Tier II Data Validation Checklist

March 15, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA08846

	Yes	No	Na	Comment
4. b. Initial Calibration data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Internal Standards areas summary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate Percent Recovery Summary	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TCL compounds identified	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
GPC chromatograms (if GOC performed)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. GC Data				
a. <u>Sample Data</u>				
Chromatograms	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
Retention time windows	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	100% assumed
b. <u>Standards</u>				
Initial Calibration data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
Retention time windows	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
Continuing Calibration data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
Retention time windows	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
c. <u>QC Data</u>				
Method Blank data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Miscellaneous				



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Tel. (860) 645-1102 Fax (860) 645-0823

## Laboratory Modified Tier II Data Validation Checklist

March 15, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA08846

		Yes	No	Na	Comment
6.	Original preparation and analysis forms or copies of preparation and analysis log book pages	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
	Internal sample & sample extract transfer chain-of-custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
	Screening records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
	All instrument output, including strip charts from screening activities (describe or list)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	chromatograms available
7.	Chain-of-Custody Records				
	Chain-of-Custody documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Sample log-in sheet (lab & DC1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
	Miscellaneous shipping/receiving records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8.	Internal lab sample transfer records and tracking	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	available
9.	Other Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10.	Comments (see attached)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	see narrative

Completed by:  
(Lab)

Phyllis Shiller, Laboratory Directory  
(Printed Name/Title)

16-Mar-11  
Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for five (5) years following certification of this document.

Certified by:  
(Lab)

Phyllis Shiller, Laboratory Directory  
(Printed Name/Title)

16-Mar-11  
Date



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: service@phoenixlabs.com Fax (860) 645-0823

Environmental Laboratories, Inc.

Customer: ECS  
Address: 1 Elm St, Suite 3  
Waterbury, VT 05676

Project: GMP Plant #4 Building  
Report to: Laura Woodward - ECS  
Invoice to: Carr Rock - GMP

Project P.O.: 08-205353.00  
Phone #: 802-241-4131  
Fax #: 802-244-6894

Data Delivery:  
☐ Fax #:  
☒ Email:

Temp 62°C Pg 1 of 3

Client Sample - Information - Identification				Analysis Request	
Sampler's Signature	Signature	Date			
<u>Laura Woodward</u>	<u>Laura Woodward</u>	<u>3/2/11</u>			
Matrix Code: DW=drinking water GW=groundwater			WW=wastewater S=soil/solid O=other SL=sludge A=air BH=Building Materials		
Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	
088410	0302119274.81	BM	3/2/11	1230	X
088417	0302119274.93			1415	
088418	0302119274.95			1435	
088419	0302119274.94			1425	
08850	0302119274.91			1400	
08851	0302119274.90			1355	
08852	0302119274.92			1405	
08853	0302119274.83			1245	
08854	0302119274.88			1330	
08855	0302119274.89			1335	
08856	0302119274.78			1205	
08857	0302119274.85			1300	
Relinquished by: <u>Laura Woodward</u>			Accepted by: <u>Laura Woodward</u>	Date: <u>3/2/11</u>	Time: <u>1700</u>
Comments, Special Requirements or Regulations: <u>Please provide a Tier 2 data validation report.</u> <u>Run MS/MSD off this data set</u>					

Turnaround:	CT/RT	MA	Data Format
<input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other	<input type="checkbox"/> RCP Cert. <input type="checkbox"/> GW Protect. <input type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input type="checkbox"/> SW Protect. <input type="checkbox"/> Res. Vol. <input type="checkbox"/> Ind. Vol. <input type="checkbox"/> Res. Criteria <input type="checkbox"/> Other	<input type="checkbox"/> MCP Cert. <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> MWRA eSMART <input type="checkbox"/> Other	<input type="checkbox"/> Excel <input checked="" type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> Other

\* SURCHARGE APPLIES

Data Package:  
☐ ASP-A  
☐ NJ Reduced Deliv.\*  
☐ NJ Hazsite EDD  
☒ Phoenix Std Report  
☐ Other

State where samples were collected: VT



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike P.O. Box 370, Manchester, CT 06040  
Email: service@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Temp 6 Pg 2 of 3  
Data Delivery:  
☐ Fax #  
☒ Email:

Customer: ECS  
Address: 1 Elm St, Suite 3  
Waterbury VT 05676

Project: GMP Plant #4 Building  
Report to: Laura Woodward - ECS  
Invoice to: Carr Rock - GMP

Project P.O.: 08-205353.00  
Phone #: 802-241-4131  
Fax #: 802-244-6894

Client Sample - Information - Identification				Analysis Request	
Sampler's Signature	Customer Identification	Sample Matrix	Date Sampled		
<u>Laura Woodward</u>	<u>WW=wastewater S=soil/solid O=other</u>	<u>SL=sludge A=air</u>	<u>GM=Building Materials</u>		
Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	<u>PCBw/soxhlet</u>
08858	0302119274.87	GM	3/2/11	1320	
08859	0302119274.86			1310	
08860	0302119274.72			1035	
08861	0302119274.70			1010	
08862	0302119274.74			1130	
08863	0302119274.73			1050	
08864	0302119274.75			1140	
08865	0302119274.71			1030	
08866	0302119274.76			1150	
08867	0302119274.77			1155	
08868	0302119274.80			1225	
08869	0302119274.84			1250	
Relinquished by: <u>Laura Woodward</u> Date: <u>3/2/11</u> Time: <u>1700</u>					
Accepted by: <u>Tedex Woodward</u> Date: <u>3/2/11</u> Time: <u>13:06</u>					
Comments: Special Requirements or Regulations: <u>Please provide the Tier 2 data report for EPA</u> <u>Run MS/MSD from this data set</u>					

Turnaround:	CT/RI	MA	Data Format
<input type="checkbox"/> 1 Day*	<input type="checkbox"/> RCP Cert.	<input type="checkbox"/> MCP Cert.	<input type="checkbox"/> Excel
<input type="checkbox"/> 2 Days*	<input type="checkbox"/> GW Protect.	<input type="checkbox"/> GW-1	<input checked="" type="checkbox"/> PDF
<input type="checkbox"/> 3 Days*	<input type="checkbox"/> GA Mobility	<input type="checkbox"/> GW-2	<input type="checkbox"/> GIS/Key
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> GB Mobility	<input type="checkbox"/> GW-3	<input type="checkbox"/> EQUIS
<input type="checkbox"/> Other	<input type="checkbox"/> SW Protect.	<input type="checkbox"/> S-1	<input type="checkbox"/> Other
	<input type="checkbox"/> Res. Vol.	<input type="checkbox"/> S-2	
	<input type="checkbox"/> Ind. Vol.	<input type="checkbox"/> S-3	
	<input type="checkbox"/> Res. Criteria	<input type="checkbox"/> MWRA eSMART	
	<input type="checkbox"/> Other	<input type="checkbox"/> Other	
* SURCHARGE APPLIES			

Data Package	State where samples were collected:
<input type="checkbox"/> ASP-A	<u>VT</u>
<input type="checkbox"/> NJ Reduced Deliv. *	
<input type="checkbox"/> NJ Hazsite EDD	
<input checked="" type="checkbox"/> Phoenix Std Report	
<input type="checkbox"/> Other	





Friday, May 13, 2011

Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

Project ID: GMP PLANT #4 BUILDING  
Sample ID#s: BA27540 - BA27552

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **TIER II DELIVERABLE**

**Client:**

**Project: GMP PLANT #4 BUILDING**

**Laboratory Project: GBA27540**



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823



## **TIER II Deliverables Format**

**May 16, 2011**

**SDG I.D.: GBA27540**

**GMP PLANT #4 BUILDING**

---

### **Methodology Summary**

#### **Polychlorinated Biphenyls (PCBs):**

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Extraction Method 3540C.

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

### **Sample Id Cross Reference**

<b>Client Id</b>	<b>Lab Id</b>	<b>Matrix</b>
07140892.96	BA27540	SOLID
07140892.97	BA27541	SOLID
07140892.98	BA27542	SOLID
07140892.99	BA27543	SOLID
07140892.100	BA27544	SOLID
07140892.101	BA27545	SOLID
07140892.102	BA27546	SOLID
07140892.103	BA27547	SOLID
07140892.104	BA27548	SOLID
07140892.105	BA27549	SOLID
07140892.106	BA27550	SOLID
07140892.107	BA27551	SOLID
07140892.108	BA27552	SOLID

---



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## **TIER II Deliverables Format**

May 16, 2011

SDG I.D.: GBA27540

**GMP PLANT #4 BUILDING**

---

### **Laboratory Chronicle**

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BA27540	PCB (Soxhlet)	05/02/11	05/04/11	05/06/11	MH	Y
BA27541	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y
BA27542	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y
BA27543	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y
BA27544	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y
BA27545	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y
BA27546	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y
BA27547	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y
BA27548	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y
BA27549	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y
BA27550	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y
BA27551	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y
BA27552	PCB (Soxhlet)	05/02/11	05/04/11	05/05/11	MH	Y

---



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

### Date

05/02/11 12:10  
05/04/11 10:55

### Time

## Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27540

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.96

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/06/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/06/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/06/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/06/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/06/11		MH	3540C/8082
PCB-1254	890	330	ug/Kg	05/06/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/06/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/06/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/06/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Interference		%	05/06/11		MH	3540C/8082
% TCMX	85		%	05/06/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 16, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

05/02/11 12:15  
05/04/11 10:55

Time

### Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27541

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.97

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	120		%	05/05/11		MH	3540C/8082
% TCMX	86		%	05/05/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

05/02/11 13:15  
05/04/11 10:55

Time

### Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27542

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.98

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	120		%	05/05/11		MH	3540C/8082
% TCMX	86		%	05/05/11		MH	3540C/8082

### Comments:

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May 16, 2011



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## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

05/02/11 13:20  
05/04/11 10:55

Time

### Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27543

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.99

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	124		%	05/05/11		MH	3540C/8082
% TCMX	88		%	05/05/11		MH	3540C/8082

### Comments:

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May 16, 2011



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## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/02/11	13:30
05/04/11	10:55

### Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27544

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.100

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
MS/MSD Ext. For PCB	Completed			05/05/11			
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	115		%	05/05/11		MH	3540C/8082
% TCMX	86		%	05/05/11		MH	3540C/8082

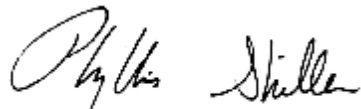
Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

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**Phyllis Shiller, Laboratory Director**

**May 16, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/02/11	13:45
05/04/11	10:55

### Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27545

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.101

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	113		%	05/05/11		MH	3540C/8082
% TCMX	86		%	05/05/11		MH	3540C/8082

### Comments:

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Phyllis Shiller, Laboratory Director

May 16, 2011



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## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

05/02/11 14:00  
05/04/11 10:55

Time

### Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27546

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.102

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	124		%	05/05/11		MH	3540C/8082
% TCMX	88		%	05/05/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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May 16, 2011



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## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

05/02/11 14:45  
05/04/11 10:55

Time

### Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27547

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.103

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	700	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	130		%	05/05/11		MH	3540C/8082
% TCMX	91		%	05/05/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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May 16, 2011



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## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/02/11	14:55
05/04/11	10:55

### Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27548

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.104

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	117		%	05/05/11		MH	3540C/8082
% TCMX	86		%	05/05/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

05/02/11 15:00  
05/04/11 10:55

Time

### Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27549

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.105

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	430	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	110		%	05/05/11		MH	3540C/8082
% TCMX	86		%	05/05/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/02/11	15:10
05/04/11	10:55

### Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27550

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.106

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	510	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	111		%	05/05/11		MH	3540C/8082
% TCMX	86		%	05/05/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

### Date

05/02/11 15:15  
05/04/11 10:55

### Time

## Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27551

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.107

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	110		%	05/05/11		MH	3540C/8082
% TCMX	79		%	05/05/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 13, 2011

FOR: Attn: Mr. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

05/02/11 15:25  
05/04/11 10:55

Time

### Laboratory Data

SDG ID: GBA27540  
Phoenix ID: BA27552

Project ID: GMP PLANT #4 BUILDING

Client ID: 07140892.108

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/05/11		JL	E160.3
Extraction for PCB	Completed			05/04/11		BT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/05/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/05/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	123		%	05/05/11		MH	3540C/8082
% TCMX	90		%	05/05/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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## QA/QC Report

May 16, 2011

### QA/QC Data

SDG I.D.: GBA27540

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
-----------	-------	----------	-----------	------------	-------------	-----------------	-----

QA/QC Batch 176292, QC Sample No: BA27540 (BA27540, BA27541, BA27542, BA27543, BA27544, BA27545, BA27546, BA27547, BA27548, BA27549, BA27550, BA27551, BA27552)

#### Polychlorinated Biphenyls

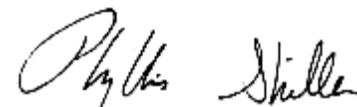
PCB-1016	ND	95	96	1.0	*	*	NC
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	104	104	0.0	*	*	NC
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	121	113	114	0.9	NR	NR	NC
% TCMX (Surrogate Rec)	91	84	85	1.2	NR	NR	NC

Comment:

\* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria

  
Phyllis Shiller, Laboratory Director  
May 16, 2011



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# Project Narrative

May 16, 2011

SDG ID.: GBA27540

---

## **PCB Narration**

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

**QC Comments:** QC Batch 76292 05/04/11 (BA27540, BA27541, BA27542, BA27543, BA27544, BA27545, BA27546, BA27547, BA27548, BA27549, BA27550, BA27551, BA27552)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

### **QC (Site Specific)**

----- Sample No: BA27540 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.



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## Laboratory Modified Tier II Data Validation Checklist

May 13, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA27540

	Yes	No	Na	Comment
1. SDG Project Narrative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Traffic Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Volatiles Data				
a. <u>SampleData</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				
Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Standard area summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate percent recovery summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TIC compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Semivolatiles Data				
a. <u>Sample Data</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				



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## Laboratory Modified Tier II Data Validation Checklist

May 13, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA27540

	Yes	No	Na	Comment
4. b. Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Standards areas summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate Percent Recovery Summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TCL compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GPC chromatograms (if GOC performed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. GC Data				
a. <u>Sample Data</u>				Available upon request
Chromatograms	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Percent solids calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
b. <u>Standards</u>				
Initial Calibration data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Continuing Calibration data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
c. <u>QC Data</u>				
Method Blank data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Miscellaneous				



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## Laboratory Modified Tier II Data Validation Checklist

May 13, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA27540

		Yes	No	Na	Comment
6.	Original preparation and analysis forms or copies of preparation and analysis log book pages	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
	Internal sample & sample extract transfer chain-of-custody records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
	Screening records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
	All instrument output, including strip charts from screening activities (describe or list)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
7.	Chain-of-Custody Records				
	Chain-of-Custody documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Sample log-in sheet (lab & DC1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Miscellaneous shipping/receiving records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8.	Internal lab sample transfer records and tracking	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9.	Other Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Comments (see attached)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Laboratory Modified Tier II Data Validation Checklist

May 13, 2011

### INORGANIC COMPOUNDS

SDG ID: GBA27540

		Yes	No	Na	Comment
1.	SDG Project Narrative	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Inorganic Analysis Data Sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Initial and Continuing Calibration Verification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	CRDL Standard for AA and ICP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Blanks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	ICP Interference Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Spike Sample Recovery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Post Digest Spike Sample Recovery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Duplicates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Laboratory Control Sample	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Standard Addition Results	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12.	ICP Serial Dilutions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Instrument Detection Limits, Quarterly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14.	ICP Inter-element Correction Factors, Annually	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15.	ICP Linear Ranges Quarterly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16.	Preparation Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
17.	Analysis Run Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
18.	ICP Raw Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
19.	Furnace AA Raw Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
20.	Mercury Raw Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
21.	Percent Solids Calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
22.	Digestion Logs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
23.	EPA Shipping/Receiving Records (List all individual records)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
24.	Chain-of-Custody Records	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
25.	Sample Log-In Sheet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
26.	Miscellaneous Shipping/Receiving Records (List all individual records)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
27.	Internal Lab Sample Transfer Records and Tracking Sheets (Describe or List)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
28.	Internal Original Sample Preparation and Analysis Records (Describe or List)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
29.	Preparation Records	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
30.	Analysis Records	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
31.	Other Records (Describe or List)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
32.	Comments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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## Laboratory Modified Tier II Data Validation Checklist

May 13, 2011

### INORGANIC COMPOUNDS

SDG ID: GBA27540

Yes No Na Comment

Completed by: \_\_\_\_\_  
(Lab)

Greg Lawrence, Assistant Lab Director  
(Printed Name/Title)

16-May-11  
Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for five (5) years following certification of this document.

Certified by: \_\_\_\_\_  
(Lab)

(Printed Name/Title)

Date







**Monday, May 23, 2011**

**Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676**

**Project ID: GMP PLANT #4  
Sample ID#s: BA32086 - BA32098, BA32100 - BA32105**

**This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.**

**This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.**

**A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.**

**If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.**

**Sincerely yours,**

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

**Phyllis Shiller  
Laboratory Director**

**NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301**



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## **TIER II DELIVERABLE**

**Client: ECS**

**Project: GMP PLANT #4**

**Laboratory Project: GBA32086**



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
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## TIER II Deliverables Format

May 24, 2011

SDG I.D.: GBA32086

ECS GMP PLANT #4

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### Methodology Summary

#### **Polychlorinated Biphenyls (PCBs)/Pesticides:**

Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 608) as printed in 40CFR part 136.

#### **Polychlorinated Biphenyls (PCBs):**

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Extraction Method 3540C.

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

### Sample Id Cross Reference

Client Id	Lab Id	Matrix
0513119274.165	BA32086	SOLID
0513119274.166	BA32087	SOLID
0513119274.167	BA32088	SOLID
0513119274.168	BA32089	SOLID
0513119274.169	BA32090	SOLID
0513119274.170	BA32091	SOLID
0513119274.171	BA32092	SOLID
0513119274.172	BA32093	SOLID
0513119274.173	BA32094	SOLID
0513119274.174	BA32095	SOLID
0513119274.175	BA32096	SOLID
0513119274.176	BA32097	SOLID
0513119274.177	BA32098	SOLID
0513119274.179	BA32100	SOLID
0513119274.180	BA32101	SOLID
0513119274.181	BA32102	SOLID
0513119274.182	BA32103	SOLID
0513119274.183	BA32104	SOLID
EQUIPMENT BLANK 2	BA32105	WATER

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## TIER II Deliverables Format

May 24, 2011

SDG I.D.: GBA32086

ECS GMP PLANT #4

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### Laboratory Chronicle

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BA32086	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32087	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32088	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32089	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32090	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32091	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32092	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32093	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32094	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32095	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32096	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32097	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32098	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32100	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32101	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32102	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32103	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32104	PCB (Soxhlet)	05/13/11	05/17/11	05/18/11	MH	Y
BA32105	Polychlorinated Biphenyls	05/13/11	05/17/11	05/19/11	MH	Y

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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 12:55

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32086

Phoenix ID: BA32086

Project ID: GMP PLANT #4

Client ID: 0513119274.165

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	86		%	05/18/11		MH	3540C/8082
% TCMX	77		%	05/18/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 24, 2011



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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:00

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32086

Phoenix ID: BA32087

Project ID: GMP PLANT #4

Client ID: 0513119274.166

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82		%	05/18/11		MH	3540C/8082
% TCMX	75		%	05/18/11		MH	3540C/8082

### Comments:

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May 24, 2011



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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:05  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32086  
Phoenix ID: BA32088

Project ID: GMP PLANT #4

Client ID: 0513119274.167

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	87		%	05/18/11		MH	3540C/8082
% TCMX	76		%	05/18/11		MH	3540C/8082

### Comments:

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May 24, 2011



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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:10

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32086

Phoenix ID: BA32089

Project ID: GMP PLANT #4

Client ID: 0513119274.168

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	84		%	05/18/11		MH	3540C/8082
% TCMX	77		%	05/18/11		MH	3540C/8082

### Comments:

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Phyllis Shiller, Laboratory Director

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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:15

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32086

Phoenix ID: BA32090

Project ID: GMP PLANT #4

Client ID: 0513119274.169

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82		%	05/18/11		MH	3540C/8082
% TCMX	78		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:20

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32086

Phoenix ID: BA32091

Project ID: GMP PLANT #4

Client ID: 0513119274.170

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	83		%	05/18/11		MH	3540C/8082
% TCMX	81		%	05/18/11		MH	3540C/8082

### Comments:

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Phyllis Shiller, Laboratory Director

May 24, 2011



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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:25

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32086

Phoenix ID: BA32092

Project ID: GMP PLANT #4

Client ID: 0513119274.171

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	80		%	05/18/11		MH	3540C/8082
% TCMX	86		%	05/18/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

May 24, 2011



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:30

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32086

Phoenix ID: BA32093

Project ID: GMP PLANT #4

Client ID: 0513119274.172

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	77		%	05/18/11		MH	3540C/8082
% TCMX	80		%	05/18/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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May 24, 2011



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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:34  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32086  
Phoenix ID: BA32094

Project ID: GMP PLANT #4

Client ID: 0513119274.173

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	79		%	05/18/11		MH	3540C/8082
% TCMX	77		%	05/18/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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May 24, 2011



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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.20535

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

### Date      Time

05/13/11      13:39  
05/17/11      11:23

## Laboratory Data

SDG ID: GBA32086  
Phoenix ID: BA32095

Project ID: GMP PLANT #4

Client ID: 0513119274.174

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
MS/MSD Ext. For PCB	Completed			05/18/11			
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	83		%	05/18/11		MH	3540C/8082
% TCMX	84		%	05/18/11		MH	3540C/8082

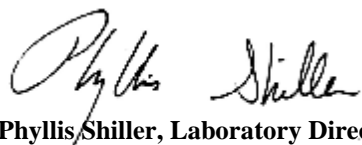
Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

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**Phyllis Shiller, Laboratory Director**

**May 24, 2011**



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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:40

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32086

Phoenix ID: BA32096

Project ID: GMP PLANT #4

Client ID: 0513119274.175

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	86		%	05/18/11		MH	3540C/8082
% TCMX	87		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:45  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32086  
Phoenix ID: BA32097

Project ID: GMP PLANT #4

Client ID: 0513119274.176

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	86		%	05/18/11		MH	3540C/8082
% TCMX	86		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:50

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32086

Phoenix ID: BA32098

Project ID: GMP PLANT #4

Client ID: 0513119274.177

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82		%	05/18/11		MH	3540C/8082
% TCMX	74		%	05/18/11		MH	3540C/8082

### Comments:

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May 24, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 13:55

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32086

Phoenix ID: BA32100

Project ID: GMP PLANT #4

Client ID: 0513119274.179

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82		%	05/18/11		MH	3540C/8082
% TCMX	80		%	05/18/11		MH	3540C/8082

### Comments:

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May 24, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 14:00  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32086  
Phoenix ID: BA32101

Project ID: GMP PLANT #4

Client ID: 0513119274.180

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	84		%	05/18/11		MH	3540C/8082
% TCMX	87		%	05/18/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 14:06  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32086  
Phoenix ID: BA32102

Project ID: GMP PLANT #4

Client ID: 0513119274.181

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	86		%	05/18/11		MH	3540C/8082
% TCMX	87		%	05/18/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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May 24, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 14:12  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32086  
Phoenix ID: BA32103

Project ID: GMP PLANT #4

Client ID: 0513119274.182

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	87		%	05/18/11		MH	3540C/8082
% TCMX	84		%	05/18/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 24, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 14:18  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32086  
Phoenix ID: BA32104

Project ID: GMP PLANT #4

Client ID: 0513119274.183

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
MS/MSD Ext. For PCB	Completed			05/18/11			
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
QC for PCB	Completed			05/19/11		MH	
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	88		%	05/18/11		MH	3540C/8082
% TCMX	87		%	05/18/11		MH	3540C/8082

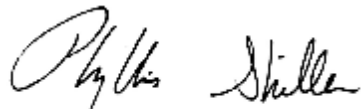
Parameter	Result	RL	Units	Date	Time	By	Reference
-----------	--------	----	-------	------	------	----	-----------

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**May 24, 2011**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 23, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: WATER  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08.205353.00

### Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

Date

05/13/11 14:30

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32086

Phoenix ID: BA32105

Project ID: GMP PLANT #4

Client ID: EQUIPMENT BLANK 2

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			05/17/11		TH	SW3510C
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	0.50	ug/L	05/19/11		MH	608/ 8082
PCB-1221	ND	0.50	ug/L	05/19/11		MH	608/ 8082
PCB-1232	ND	0.50	ug/L	05/19/11		MH	608/ 8082
PCB-1242	ND	0.50	ug/L	05/19/11		MH	608/ 8082
PCB-1248	ND	0.50	ug/L	05/19/11		MH	608/ 8082
PCB-1254	ND	0.50	ug/L	05/19/11		MH	608/ 8082
PCB-1260	ND	0.50	ug/L	05/19/11		MH	608/ 8082
PCB-1262	ND	0.50	ug/L	05/19/11		MH	608/ 8082
PCB-1268	ND	0.50	ug/L	05/19/11		MH	608/ 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	102		%	05/19/11		MH	608/ 8082
% TCMX	84		%	05/19/11		MH	608/ 8082

### Comments:

EQUIPMENT BLANK INCLUDED

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 24, 2011



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# QA/QC Report

May 24, 2011

## QA/QC Data

SDG I.D.: GBA32086

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
-----------	-------	----------	-----------	------------	-------------	-----------------	-----

QA/QC Batch 177067, QC Sample No: BA31780 (BA32105)

### Polychlorinated Biphenyls

PCB-1016	ND	88	86	2.3			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	87	84	3.5			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	75	92	85	7.9			
% TCMX (Surrogate Rec)	80	80	82	2.5			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 177052, QC Sample No: BA32082 (BA32086)

### Polychlorinated Biphenyls

PCB-1016	ND	83	89	7.0	98	107	8.8
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	86	91	5.6	101	109	7.6
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	75	70	73	4.2	77	86	11.0
% TCMX (Surrogate Rec)	118	102	107	4.8	73	79	7.9

QA/QC Batch 177054, QC Sample No: BA32104 (BA32087, BA32088, BA32089, BA32090, BA32091, BA32092, BA32093, BA32094, BA32095, BA32096, BA32097, BA32098, BA32100, BA32101, BA32102, BA32103, BA32104)

### Polychlorinated Biphenyls

PCB-1016	ND	91	93	2.2	93	93	0.0
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	106	103	2.9	125	114	9.2
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	83	88	86	2.3	83	84	1.2
% TCMX (Surrogate Rec)	74	77	78	1.3	76	77	1.3

## QA/QC Data

SDG I.D.: GBA32086

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
-----------	-------	----------	-----------	------------	-------------	-----------------	-----

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

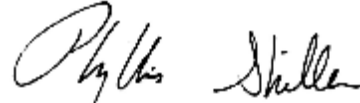
LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria



Phyllis Shiller, Laboratory Director  
May 24, 2011



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## Project Narrative

May 24, 2011

SDG ID.: GBA32086

---

### PCB Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

**Instrument:** Au-ecd5 05/19/11-1 (BA32104, BA32105)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 5/19/2011

**Instrument:** Au-ecd7 05/18/11-1 (BA32091, BA32092, BA32093, BA32094, BA32095, BA32096, BA32097, BA32098, BA32100, BA32101, BA32102, BA32103, BA32104)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 5/18/2011

**Instrument:** Au-ecd8 05/18/11-1 (BA32086, BA32087, BA32088, BA32089, BA32090)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 5/18/2011

**QC Comments:** QC Batch 77067 05/17/11 (BA32105)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.



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## Project Narrative

May 24, 2011

SDG I.D.: GBA32086

---

### QC (Site Specific)

----- Sample No: BA32104 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### QC (Batch Specific)

----- Sample No: BA31780 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

----- Sample No: BA32082 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.



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## Laboratory Modified Tier II Data Validation Checklist

May 23, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA32086

	Yes	No	Na	Comment
1. SDG Project Narrative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Traffic Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Volatiles Data				
a. <u>Sample Data</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				
Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Standard area summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate percent recovery summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TIC compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Semivolatiles Data				
a. <u>Sample Data</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				



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## Laboratory Modified Tier II Data Validation Checklist

May 23, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA32086

	Yes	No	Na	Comment
4. b. Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Standards areas summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate Percent Recovery Summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TCL compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GPC chromatograms (if GOC performed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. GC Data				
a. <u>Sample Data</u>				
Chromatograms	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Percent solids calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards</u>				
Initial Calibration data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Continuing Calibration data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
c. <u>QC Data</u>				
Method Blank data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Miscellaneous				



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## Laboratory Modified Tier II Data Validation Checklist

May 23, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA32086

		Yes	No	Na	Comment
6.	Original preparation and analysis forms or copies of preparation and analysis log book pages	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
	Internal sample & sample extract transfer chain-of-custody records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Screening records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
	All instrument output, including strip charts from screening activities (describe or list)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
7.	Chain-of-Custody Records				
	Chain-of-Custody documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Sample log-in sheet (lab & DC1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Miscellaneous shipping/receiving records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8.	Internal lab sample transfer records and tracking	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
9.	Other Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Comments (see attached)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Completed by: \_\_\_\_\_  
(Lab)

Greg Lawrence, Assistant Lab Director  
(Printed Name/Title)

24-May-11  
Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for five (5) years following certification of this document.

Certified by: \_\_\_\_\_  
(Lab)

Greg Lawrence, Assistant Lab Director  
(Printed Name/Title)

24-May-11  
Date



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike P.O. Box 370, Manchester, CT 06040  
Email: service@phoenixlabs.com Fax: (860) 645-0823

Client Services (860) 645-8726

Temp 20.0 Pg 1 of 2

## Data Delivery:

☐ Fax #  
☒ Email:

Customer: ECS

Address: 1 Elm St Suite 3  
Waterbury VT 05676

Project: GMP Plant #4 Building

Report to: Laure Woodard - ECS

Invoice to: Cari Rock - GMP

Project P.O: 08-205353.00

Phone #: 802 244 4131

Fax #: 244 6894

## Client Sample - Information - Identification

Sampler's Signature [Signature]

Date 5/11/11

## Matrix Code:

DW=drinking water WW=wastewater S=soil/solid O=other  
GW=groundwater SL=sludge A=air B=biological

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
32086	0513119274.165	B	5-13-11	1255
32087	0513119274.166			1300
32088	0513119274.167			1305
32089	0513119274.168			1310
32090	0513119274.169			1315
32091	0513119274.170			1320
32092	0513119274.171			1325
32093	0513119274.172			1330
32094	0513119274.173			1334
32095	0513119274.174			1338
32096	0513119274.175			1346
32097	0513119274.176			1345

Analysis Request

PLB #1 Soil 1st 4th

Soil VOA [Methanol] [S. Bisulphate] [H2O]  
GL Soil container ( )  
40 ml VOA Vial [As is] [H2SO4]  
GL Amber 100ml [As is] [H2SO4]  
PL As is [ ] 250ml [ ] 500ml [ ] 1000ml  
PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml  
PL HNO3 250ml  
Bacteria Bottle

Relinquished by: [Signature]

Accepted by: [Signature]

Date: 5/10/11

Turnaround: 1 Day\*

CT/RI ☐ RCP Cert. ☐ GW Protect. ☐ GA Mobility ☐ GB Mobility ☐ SW Protect. ☐ Res. Vol. ☐ Ind. Vol. ☐ Res. Criteria ☐ Other ☐

MA ☐ MCP Cert. ☐ GW-1 ☐ GW-2 ☐ GW-3 ☐ S-1 ☐ S-2 ☐ S-3 ☐ MWRA eSMART ☐ Other ☐

Data Format ☐ Excel ☒ PDF ☐ GIS/Key ☐ EQUIS ☐ Other ☐

Comments, Special Requirements or Regulations:

Per 2 Reporting

MS/MSD on extra sample volume

State where samples were collected: VT

## Data Package

☐ ASP-A ☐ NJ Reduced Deliv. \* ☐ NJ Hazsite EDD ☒ Phoenix Std Report ☐ Other



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike P.O. Box 370, Manchester, CT 06040  
Email: service@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Temp 2 Pg 2 of 2

## Data Delivery:

☐ Fax #

☒ Email:

Customer: ECs

Address: 1 Elm St Suite 3

Waterbury VT

Project: GMP Plant #4 Building

Report to: Lave Woodard - ECR

Invoice to: Curri Road - GMP

Project P.O: 08-205353.00

Phone #: 802 241-4131

Fax #: 244-6894

## Client Sample - Information - Identification

Sampler's Signature: Frank Nye

Date: 5/13/11

## Matrix Code:

DW=drinking water  
GW=groundwater

WW=wastewater  
SL=sludge

S=soil/solid  
A=air

O=other  
8=building

Phoenix Sample #

Customer Sample Identification

Sample Matrix

Date Sampled

Time Sampled

32098 0513119274.177 B 5/13/11 1350

32099 0513119274.178 1355

32100 0513119274.179 1400

32101 0513119274.180 1406

32102 0513119274.181 1409

32103 0513119274.182 1412

32104 0513119274.183 1418

32095 0513119274.174 Dup -

32104 0513119274.183 Dup -

32105 Equipment Blank 2 W 1430

Analysis Request

for soil test

Soil VOA [Methanol] [S. Brinkley] [H2O]  
GL Soil container ( )  
GL Soil container ( )  
GL Amber 100ml [As is] [HCl]  
PL As is [ ] 250ml [ ] 500ml [ ] 1000ml  
PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml  
PL HNO3 250ml  
Bacteria Bottle

Relinquished by:

Date:

Accepted by:

Date:

Time:

Turnaround:

CT/RI

MA

Data Format

☐ 1 Day\*

☐ 2 Days\*

☐ 3 Days\*

☒ Standard

☐ Other

\* SURCHARGE APPLIES

☐ RCP Cert.

☐ GW Protect.

☐ GA Mobility

☐ GB Mobility

☐ SW Protect.

☐ Res. Vol.

☐ Ind. Vol.

☐ Res. Criteria

☐ Other

☐ MCP Cert.

☐ GW-1

☐ GW-2

☐ GW-3

☐ S-1

☐ S-2

☐ S-3

☐ MWRA eSMART

☐ Other

☐ Excel

☒ PDF

☐ GIS/Key

☐ EquiS

☐ Other

Data Package

☐ ASP-A

☐ NJ Reduced Deliv. \*

☐ NJ Hazsite EDD

☒ Phoenix Std Report

☐ Other

State where samples were collected: VT

Comments, Special Requirements or Regulations:

\* best sample at lab jar  
Tier 2 Reporting broken. emailed client  
5/13/11. GA.  
m3/mid on extra sample volume

**Bobbi - Phoenixlabs**

---

**From:** Bobbi - Phoenixlabs [bobbi@phoenixlabs.com]

**Sent:** Wednesday, May 18, 2011 10:47 AM

**To:** 'Laura Woodard'

**Cc:** 'Bobbi - Phoenixlabs'

**Subject:** GMP Plant #4 Building

Hi Laura

We accidentally dropped one of your PCB jars here at the lab and lost the sample. We do not have any sample left to perform PCB's on your sample ID 0513119274.178.

I apologize for any inconvenience this may cause.

Please let me know if you have any questions

Thank you

Bobbi

Bobbi Aloisa  
Vice President  
Director of Client Services  
Phoenix Environmental Laboratories  
587 East Middle Turnpike  
Manchester, CT 06040  
[www.phoenixlabs.com](http://www.phoenixlabs.com)  
Ph: 1-888-642-4321  
Fx: 1-860-645-0823

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5/18/2011



Wednesday, May 18, 2011

Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

Project ID: GMP PLANT #4 BUILDING  
Sample ID#s: BA29584 - BA29624

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## **TIER II DELIVERABLE**

**Client: ECS**  
**Project: GMP PLANT #4 BUILDING**  
**Laboratory Project: GBA29584**



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## **TIER II Deliverables Format**

**May 19, 2011**

**SDG I.D.: GBA29584**

**ECS GMP PLANT #4 BUILDING**

---

### **Methodology Summary**

#### **Polychlorinated Biphenyls (PCBs)/Pesticides:**

Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 608) as printed in 40CFR part 136.

#### **Polychlorinated Biphenyls (PCBs):**

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Extraction Method 3540C.

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

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## TIER II Deliverables Format

May 19, 2011

SDG I.D.: GBA29584

ECS GMP PLANT #4 BUILDING

### Sample Id Cross Reference

Client Id	Lab Id	Matrix
0505119274.109	BA29584	
0505119274.110	BA29585	
0505119274.111	BA29586	
0505119274.112	BA29587	
0505119274.113	BA29588	
0505119274.114	BA29589	
0505119274.115	BA29590	
0505119274.116	BA29591	
0505119274.117	BA29592	
0505119274.118	BA29593	
0505119274.119	BA29594	
0505119274.120	BA29595	
0505119274.121	BA29596	SOLID
0505119274.122	BA29597	SOLID
0505119274.123	BA29598	SOLID
0505119274.124	BA29599	SOLID
0505119274.125	BA29600	SOLID
0505119274.126	BA29601	SOLID
0505119274.127	BA29602	SOLID
0505119274.128	BA29603	SOLID
0505119274.129	BA29604	SOLID
0505119274.130	BA29605	SOLID
0505119274.131	BA29606	SOLID
0505119274.132	BA29607	SOLID
0505119274.133	BA29608	SOLID
0505119274.134	BA29609	SOLID
0505119274.135	BA29610	SOLID
0505119274.136	BA29611	SOLID
0505119274.137	BA29612	SOLID



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## TIER II Deliverables Format

May 19, 2011

SDG I.D.: GBA29584

### ECS GMP PLANT #4 BUILDING

---

0505119274.138	BA29613	SOLID
0505119274.139	BA29614	SOLID
0505119274.140	BA29615	SOLID
0505119274.141	BA29616	SOLID
0505119274.142	BA29617	SOLID
0505119274.143	BA29618	SOLID
0505119274.144	BA29619	SOLID
0505119274.118 DUP	BA29620	SOLID
0505119274.123 DUP	BA29621	SOLID
0505119274.109 DUP	BA29622	SOLID
0505119274.112 DUP	BA29623	SOLID
EQUIPMENT BLANK	BA29624	WATER

---



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## TIER II Deliverables Format

May 19, 2011

SDG I.D.: GBA29584

ECS GMP PLANT #4 BUILDING

### Laboratory Chronicle

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BA29584	PCB (Soxhlet)	05/05/11	05/10/11	05/13/11	MH	Y
BA29585	PCB (Soxhlet)	05/05/11	05/10/11	05/13/11	MH	Y
BA29586	PCB (Soxhlet)	05/05/11	05/10/11	05/13/11	MH	Y
BA29587	PCB (Soxhlet)	05/05/11	05/10/11	05/13/11	MH	Y
BA29588	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29589	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29590	PCB (Soxhlet)	05/05/11	05/10/11	05/13/11	MH	Y
BA29591	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29592	PCB (Soxhlet)	05/05/11	05/10/11	05/13/11	MH	Y
BA29593	PCB (Soxhlet)	05/05/11	05/10/11	05/13/11	MH	Y
BA29594	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29595	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29596	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29597	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29598	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29599	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29600	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29601	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29602	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29603	PCB (Soxhlet)	05/05/11	05/10/11	05/12/11	MH	Y
BA29604	PCB (Soxhlet)	05/05/11	05/11/11	05/13/11	MH	Y
BA29605	PCB (Soxhlet)	05/05/11	05/12/11	05/16/11	MH	Y
BA29606	PCB (Soxhlet)	05/05/11	05/12/11	05/16/11	MH	Y
BA29607	PCB (Soxhlet)	05/05/11	05/12/11	05/16/11	MH	Y
BA29608	PCB (Soxhlet)	05/05/11	05/12/11	05/16/11	MH	Y
BA29609	PCB (Soxhlet)	05/05/11	05/11/11	05/13/11	MH	Y
BA29610	PCB (Soxhlet)	05/05/11	05/11/11	05/16/11	MH	Y
BA29611	PCB (Soxhlet)	05/05/11	05/11/11	05/13/11	MH	Y
BA29612	PCB (Soxhlet)	05/05/11	05/11/11	05/16/11	MH	Y
BA29613	PCB (Soxhlet)	05/05/11	05/11/11	05/13/11	MH	Y
BA29614	PCB (Soxhlet)	05/05/11	05/11/11	05/16/11	MH	Y
BA29615	PCB (Soxhlet)	05/05/11	05/11/11	05/16/11	MH	Y



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## TIER II Deliverables Format

May 19, 2011

SDG I.D.: GBA29584

### ECS GMP PLANT #4 BUILDING

BA29616	PCB (Soxhlet)	05/05/11	05/11/11	05/13/11	MH	Y
BA29617	PCB (Soxhlet)	05/05/11	05/11/11	05/13/11	MH	Y
BA29618	PCB (Soxhlet)	05/05/11	05/11/11	05/13/11	MH	Y
BA29619	PCB (Soxhlet)	05/05/11	05/11/11	05/13/11	MH	Y
BA29620	PCB (Soxhlet)	05/05/11	05/11/11	05/16/11	MH	Y
BA29621	PCB (Soxhlet)	05/05/11	05/11/11	05/16/11	MH	Y
BA29622	PCB (Soxhlet)	05/05/11	05/11/11	05/16/11	MH	Y
BA29623	PCB (Soxhlet)	05/05/11	05/12/11	05/16/11	MH	Y
BA29624	Polychlorinated Biphenyls	05/05/11	05/11/11	05/13/11	MH	Y



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	9:14
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29584

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.109

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		TB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	1600	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	1600	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	1600	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	1600	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	*	1600	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	*	1600	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	*	1600	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	1600	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	1600	ug/Kg	05/13/11		MH	3540C/8082
Total PCBs	11000	1600	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	05/13/11		MH	3540C/8082
% TCMX	Diluted Out		%	05/13/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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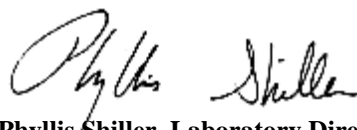
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**May 19, 2011**



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	9:44
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29585

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.110

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		TB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	100		%	05/13/11		MH	3540C/8082
% TCMX	90		%	05/13/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 19, 2011



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	9:31
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29586

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.111

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		TB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	1700	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	1700	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	1700	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	1700	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	*	1700	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	*	1700	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	*	1700	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	1700	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	1700	ug/Kg	05/13/11		MH	3540C/8082
Total PCBs	13000	1700	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	05/13/11		MH	3540C/8082
% TCMX	Diluted Out		%	05/13/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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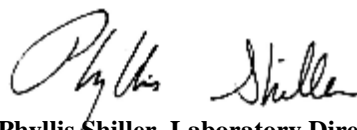
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**May 19, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	9:14
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29587

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.112

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		TB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	*	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	*	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/13/11		MH	3540C/8082
Total PCBs	3000	330	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	115		%	05/13/11		MH	3540C/8082
% TCMX	76		%	05/13/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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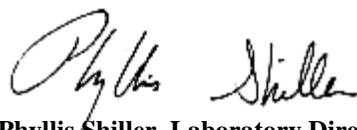
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**May 19, 2011**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date

05/05/11 9:44  
05/10/11 10:27

### Time

## Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29588

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.113

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		TB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	79		%	05/12/11		MH	3540C/8082
% TCMX	103		%	05/12/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 19, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	10:53
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29589

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.114

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		TB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	78		%	05/12/11		MH	3540C/8082
% TCMX	81		%	05/12/11		MH	3540C/8082

### Comments:

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May 19, 2011



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date      Time

05/05/11      9:31  
05/10/11      10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29590

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.115

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		TB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	*	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	*	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/13/11		MH	3540C/8082
Total PCBs	3000	330	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	99		%	05/13/11		MH	3540C/8082
% TCMX	82		%	05/13/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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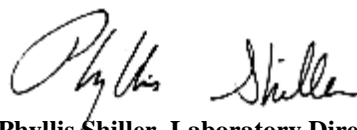
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**May 19, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	11:21
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29591

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.116

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		TB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	81		%	05/12/11		MH	3540C/8082
% TCMX	84		%	05/12/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	12:08
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29592

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.117

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		TB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	*	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/13/11		MH	3540C/8082
Total PCBs	920	330	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	102		%	05/13/11		MH	3540C/8082
% TCMX	87		%	05/13/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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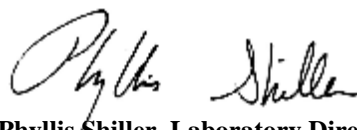
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**May 19, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	11:10
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29593

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.118

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		TB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	*	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	*	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/13/11		MH	3540C/8082
Total PCBs	700	330	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	104		%	05/13/11		MH	3540C/8082
% TCMX	85		%	05/13/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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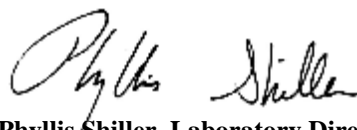
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**  
**May 19, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	10:19
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29594

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.119

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		TB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	84		%	05/12/11		MH	3540C/8082
% TCMX	117		%	05/12/11		MH	3540C/8082

### Comments:

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Phyllis Shiller, Laboratory Director

May 19, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix:  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date      Time

05/05/11      11:21  
05/10/11      10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29595

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.120

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
MS/MSD Ext. For PCB	Completed			05/11/11			
Extraction for PCB	Completed			05/10/11		LB/K/E	SW3540C
QC for PCB	Completed			05/16/11			
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	90		%	05/12/11		MH	3540C/8082
% TCMX	114		%	05/12/11		MH	3540C/8082

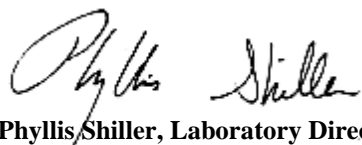
Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

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**May 19, 2011**



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	10:04
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29596

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.121

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		LB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	89		%	05/12/11		MH	3540C/8082
% TCMX	117		%	05/12/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 19, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date

05/05/11 10:35  
05/10/11 10:27

### Time

## Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29597

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.122

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		LB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	1600	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	87		%	05/12/11		MH	3540C/8082
% TCMX	89		%	05/12/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

May 19, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

Date

05/05/11 11:10  
05/10/11 10:27

Time

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29598

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.123

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		LB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	88		%	05/12/11		MH	3540C/8082
% TCMX	109		%	05/12/11		MH	3540C/8082

### Comments:

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May 19, 2011



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	10:04
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29599

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.124

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		LB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	87		%	05/12/11		MH	3540C/8082
% TCMX	106		%	05/12/11		MH	3540C/8082

### Comments:

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May 19, 2011



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date

05/05/11 10:35  
05/10/11 10:27

### Time

## Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29600

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.125

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		LB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	450	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	88		%	05/12/11		MH	3540C/8082
% TCMX	90		%	05/12/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	10:53
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29601

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.126

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		LB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	90		%	05/12/11		MH	3540C/8082
% TCMX	91		%	05/12/11		MH	3540C/8082

### Comments:

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May 19, 2011



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date

05/05/11 10:19  
05/10/11 10:27

### Time

## Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29602

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.127

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		LB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	87		%	05/12/11		MH	3540C/8082
% TCMX	92		%	05/12/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	12:08
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29603

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.128

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/10/11		LB/K/E	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/12/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/12/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	86		%	05/12/11		MH	3540C/8082
% TCMX	103		%	05/12/11		MH	3540C/8082

### Comments:

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May 19, 2011



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

Date

05/05/11 12:24  
05/10/11 10:27

Time

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29604

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.129

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		LB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	900	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	97		%	05/13/11		MH	3540C/8082
% TCMX	90		%	05/13/11		MH	3540C/8082

### Comments:

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May 19, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	13:08
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29605

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.130

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/12/11		QQ/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	*	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/16/11		MH	3540C/8082
Total PCBs	800	330	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	107		%	05/16/11		MH	3540C/8082
% TCMX	93		%	05/16/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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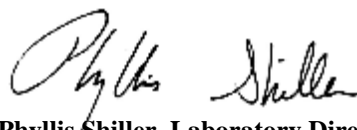
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**May 19, 2011**



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date      Time

05/05/11      13:19  
05/10/11      10:27

## Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29606

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.131

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/12/11		QQ/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	*	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	*	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/16/11		MH	3540C/8082
Total PCBs	1000	320	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	104		%	05/16/11		MH	3540C/8082
% TCMX	91		%	05/16/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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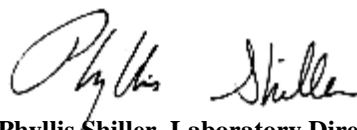
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**  
**May 19, 2011**



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	12:42
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29607

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.132

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/12/11		QQ/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	*	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/16/11		MH	3540C/8082
Total PCBs	720	330	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	105		%	05/16/11		MH	3540C/8082
% TCMX	98		%	05/16/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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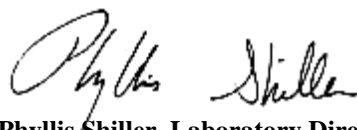
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**  
May 19, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	13:08
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29608

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.133

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/12/11		QQ/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	86		%	05/16/11		MH	3540C/8082
% TCMX	83		%	05/16/11		MH	3540C/8082

### Comments:

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May 19, 2011



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date      Time

05/05/11      12:42  
05/10/11      10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29609

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.134

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		LB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	77		%	05/13/11		MH	3540C/8082
% TCMX	111		%	05/13/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

Date

05/05/11 12:24  
05/10/11 10:27

Time

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29610

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.135

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		LB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	420	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	89		%	05/16/11		MH	3540C/8082
% TCMX	88		%	05/16/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

Date

05/05/11 13:19  
05/10/11 10:27

Time

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29611

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.136

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		LB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	76		%	05/13/11		MH	3540C/8082
% TCMX	111		%	05/13/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date

05/05/11 13:32  
05/10/11 10:27

### Time

## Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29612

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.137

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		LB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	*	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/16/11		MH	3540C/8082
Total PCBs	2000	330	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	94		%	05/16/11		MH	3540C/8082
% TCMX	56		%	05/16/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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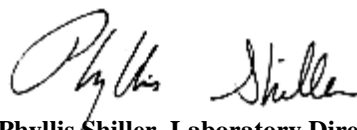
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**May 19, 2011**



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date

05/05/11 14:13  
05/10/11 10:27

### Time

## Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29613

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.138

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		LB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	81		%	05/13/11		MH	3540C/8082
% TCMX	110		%	05/13/11		MH	3540C/8082

### Comments:

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May 19, 2011



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date

05/05/11 13:53  
05/10/11 10:27

### Time

## Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29614

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.139

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		LB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	470	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	95		%	05/16/11		MH	3540C/8082
% TCMX	84		%	05/16/11		MH	3540C/8082

### Comments:

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May 19, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	14:20
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29615

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.140

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		LB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	80		%	05/16/11		MH	3540C/8082
% TCMX	112		%	05/16/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 19, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date      Time

05/05/11      14:13  
05/10/11      10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29616

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.141

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		LB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	80		%	05/13/11		MH	3540C/8082
% TCMX	107		%	05/13/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

May 19, 2011



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

Date

05/05/11 13:53  
05/10/11 10:27

Time

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29617

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.142

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		LB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	80		%	05/13/11		MH	3540C/8082
% TCMX	114		%	05/13/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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May 19, 2011



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	13:32
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29618

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.143

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		BB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82		%	05/13/11		MH	3540C/8082
% TCMX	117		%	05/13/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	14:20
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29619

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.144

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		BB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/13/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/13/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82		%	05/13/11		MH	3540C/8082
% TCMX	119		%	05/13/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

### Date

05/05/11 11:10  
05/10/11 10:27

### Time

## Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29620

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.118 DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		BB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	*	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/16/11		MH	3540C/8082
Total PCBs	720	330	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	100		%	05/16/11		MH	3540C/8082
% TCMX	94		%	05/16/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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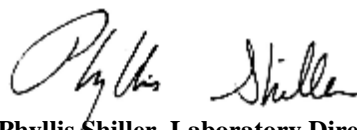
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**May 19, 2011**



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	11:10
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29621

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.123 DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		BB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	*	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	*	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/16/11		MH	3540C/8082
Total PCBs	430	320	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	93		%	05/16/11		MH	3540C/8082
% TCMX	92		%	05/16/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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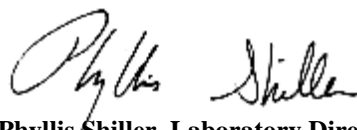
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**May 19, 2011**



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	9:14
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29622

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.109 DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/11/11		BB/E/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	3300	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	3300	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	3300	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	3300	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	ND	3300	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	*	3300	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	*	3300	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	3300	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	3300	ug/Kg	05/16/11		MH	3540C/8082
Total PCBs	9500	3300	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	05/16/11		MH	3540C/8082
% TCMX	Diluted Out		%	05/16/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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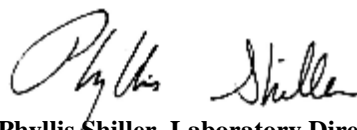
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**May 19, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	9:14
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29623

Project ID: GMP PLANT #4 BUILDING

Client ID: 0505119274.112 DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/11/11		JL	E160.3
Extraction for PCB	Completed			05/12/11		QQ/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	660	ug/Kg	05/16/11		MH	3540C/8082
PCB-1221	ND	660	ug/Kg	05/16/11		MH	3540C/8082
PCB-1232	ND	660	ug/Kg	05/16/11		MH	3540C/8082
PCB-1242	ND	660	ug/Kg	05/16/11		MH	3540C/8082
PCB-1248	ND	660	ug/Kg	05/16/11		MH	3540C/8082
PCB-1254	*	660	ug/Kg	05/16/11		MH	3540C/8082
PCB-1260	*	660	ug/Kg	05/16/11		MH	3540C/8082
PCB-1262	ND	660	ug/Kg	05/16/11		MH	3540C/8082
PCB-1268	ND	660	ug/Kg	05/16/11		MH	3540C/8082
Total PCBs	4600	660	ug/Kg	05/16/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	05/16/11		MH	3540C/8082
% TCMX	Diluted Out		%	05/16/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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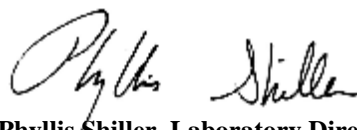
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**May 19, 2011**



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## Analysis Report

May 18, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: WATER  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by:  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/05/11	9:48
05/10/11	10:27

### Laboratory Data

SDG ID: GBA29584  
Phoenix ID: BA29624

Project ID: GMP PLANT #4 BUILDING

Client ID: EQUIPMENT BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			05/11/11		D	SW3510C
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	4.5	ug/L	05/13/11		MH	608/ 8082
PCB-1221	ND	4.5	ug/L	05/13/11		MH	608/ 8082
PCB-1232	ND	4.5	ug/L	05/13/11		MH	608/ 8082
PCB-1242	ND	4.5	ug/L	05/13/11		MH	608/ 8082
PCB-1248	ND	4.5	ug/L	05/13/11		MH	608/ 8082
PCB-1254	ND	4.5	ug/L	05/13/11		MH	608/ 8082
PCB-1260	ND	4.5	ug/L	05/13/11		MH	608/ 8082
PCB-1262	ND	4.5	ug/L	05/13/11		MH	608/ 8082
PCB-1268	ND	4.5	ug/L	05/13/11		MH	608/ 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	44		%	05/13/11		MH	608/ 8082
% TCMX	100		%	05/13/11		MH	608/ 8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Tel. (860) 645-1102 Fax (860) 645-0823



## QA/QC Report

May 19, 2011

### QA/QC Data

SDG I.D.: GBA29584

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
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QA/QC Batch 176620, QC Sample No: BA29589 (BA29584, BA29585, BA29586, BA29587, BA29588, BA29589, BA29590, BA29591, BA29592, BA29593, BA29594)

#### Polychlorinated Biphenyls

PCB-1016	ND	91	88	3.4	*	*	NC
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	89	86	3.4	*	*	NC
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	89	79	77	2.6	83	83	0.0
% TCMX (Surrogate Rec)	128	110	105	4.7	74	74	0.0

Comment:

\* The batch MS and MSD recoveries could not be calculated due to the presence of low level PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 176622, QC Sample No: BA29595 (BA29595, BA29596, BA29597, BA29598, BA29599, BA29600, BA29601, BA29602, BA29603)

#### Polychlorinated Biphenyls

PCB-1016	ND	88	90	2.2	85	105	21.1
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	89	91	2.2	92	105	13.2
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	90	82	83	1.2	64	80	22.2
% TCMX (Surrogate Rec)	118	106	109	2.8	63	73	14.7

QA/QC Batch 176725, QC Sample No: BA29604 (BA29604, BA29605, BA29606, BA29607, BA29608, BA29609, BA29610, BA29611, BA29612, BA29613, BA29614, BA29615, BA29616, BA29617)

#### Polychlorinated Biphenyls

PCB-1016	ND	83	94	12.4			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	90	94	4.3			
PCB-1262	ND						

## QA/QC Data

SDG I.D.: GBA29584

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
PCB-1268	ND						
% DCBP (Surrogate Rec)	71	66	68	3.0			
% TCMX (Surrogate Rec)	87	80	81	1.2			

Comment:

\* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 176730, QC Sample No: BA29618 (BA29618, BA29619, BA29620, BA29621, BA29622, BA29623)

### Polychlorinated Biphenyls

PCB-1016	ND	83	93	11.4			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	88	89	1.1			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	73	65	64	1.6			
% TCMX (Surrogate Rec)	83	78	79	1.3			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 176655, QC Sample No: BA29624 (BA29624)

### Polychlorinated Biphenyls

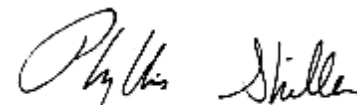
PCB-1016	ND	93	89	4.4			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	88	85	3.5			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	76	84	86	2.4			
% TCMX (Surrogate Rec)	82	104	98	5.9			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria

  
Phyllis Shiller, Laboratory Director  
May 19, 2011



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Project Narrative

May 19, 2011

SDG ID.: GBA29584

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### PCB Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

**Instrument:** Au-ecd1 05/13/11-1 (BA29604)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 5/13/2011

**Instrument:** Au-ecd5 05/13/11-1 (BA29589, BA29595)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 5/13/2011

**Instrument:** Au-ecd6 05/12/11-1 (BA29588, BA29589, BA29591, BA29594, BA29595, BA29596, BA29597, BA29598, BA29599, BA29600, BA29601, BA29602, BA29603)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 5/12/2011

**Instrument:** Au-ecd6 05/13/11-1 (BA29609, BA29610, BA29611, BA29613, BA29614, BA29615, BA29616, BA29617, BA29618, BA29619)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none



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## Project Narrative

May 19, 2011

SDG ID.: GBA29584

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The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 5/13/2011

**Instrument:** Au-ecd7 05/13/11-1 (BA29584, BA29585, BA29586, BA29587, BA29590, BA29592, BA29593)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 5/13/2011

**QC Comments:** QC Batch 76655 05/11/11 (BA29624)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

**QC Comments:** QC Batch 76620 05/10/11 (BA29584, BA29585, BA29586, BA29587, BA29588, BA29589, BA29590, BA29591, BA29592, BA29593, BA29594)

The batch MS and MSD recoveries could not be calculated due to the presence of low level PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

**QC Comments:** QC Batch 76725 05/11/11 (BA29604, BA29605, BA29606, BA29607, BA29608, BA29609, BA29610, BA29611, BA29612, BA29613, BA29614, BA29615, BA29616, BA29617)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

**QC Comments:** QC Batch 76730 05/11/11 (BA29618, BA29619, BA29620, BA29621, BA29622, BA29623)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.



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## **Project Narrative**

**May 19, 2011**

**SDG ID.: GBA29584**

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### **QC (Site Specific)**

----- Sample No: BA29604 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BA29618 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BA29624 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.



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## Laboratory Modified Tier II Data Validation Checklist

May 18, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA29584

	Yes	No	Na	Comment
1. SDG Project Narrative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Traffic Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Volatiles Data				
a. <u>Sample Data</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				
Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Standard area summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate percent recovery summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TIC compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Semivolatiles Data				
a. <u>Sample Data</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				



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## Laboratory Modified Tier II Data Validation Checklist

May 18, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA29584

	Yes	No	Na	Comment
4. b. Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Standards areas summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate Percent Recovery Summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TCL compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GPC chromatograms (if GOC performed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. GC Data				
a. <u>Sample Data</u>				
Chromatograms	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available Upon Request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available Upon Request
Percent solids calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards</u>				
Initial Calibration data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available Upon Request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available Upon Request
Continuing Calibration data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available Upon Request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available Upon Request
c. <u>QC Data</u>				
Method Blank data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Miscellaneous				



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Tel. (860) 645-1102 Fax (860) 645-0823

## Laboratory Modified Tier II Data Validation Checklist

May 18, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA29584

		Yes	No	Na	Comment
6.	Original preparation and analysis forms or copies of preparation and analysis log book pages	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available Upon Request
	Internal sample & sample extract transfer chain-of-custody records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available Upon Request
	Screening records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available Upon Request
	All instrument output, including strip charts from screening activities (describe or list)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available Upon Request
7.	Chain-of-Custody Records				
	Chain-of-Custody documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Sample log-in sheet (lab & DC1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available Upon Request
	Miscellaneous shipping/receiving records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available Upon Request
8.	Internal lab sample transfer records and tracking	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9.	Other Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Comments (see attached)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Completed by: \_\_\_\_\_  
(Lab)

Greg Lawrence, Assistant Lab Director  
(Printed Name/Title)

19-May-11  
Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for five (5) years following certification of this document.

Certified by: \_\_\_\_\_  
(Lab)

Greg Lawrence, Assistant Lab Director  
(Printed Name/Title)

19-May-11  
Date



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: service@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Temp 40°C Pg 2 of 4  
Data Delivery:  
☐ Fax #:  
☒ Email:

Customer: ECS  
Address: 1 Elm St, Suite 3  
Waterbury VT  
Project: GMP Plant #4 Building  
Report to: L. Woodward - ECS  
Invoice to: C. Rock - GMP  
Project P.O.: 08-205353.00  
Phone #: 802-241-4131  
Fax #: 802-244-6894

Client Sample - Information - Identification			
Sampler's Signature	Date	Analysis Request	
<i>[Signature]</i>	5-5-11	PCB + SOIL + TCE	

Matrix Code:			
DW=drinking water	WW=wastewater	S=soil/solid	O=other
GW=groundwater	SL=sludge	A=air	B=Building
Phoenix Sample #	Customer Sample Identification	Sample Matrix	Time Sampled
29596	0505119274.121	B	1004
29597	0505119274.122		1035
29598	0505119274.123		1110
29599	0505119274.124		1004
29600	0505119274.125		1035
29601	0505119274.126		1053
29602	0505119274.127		1019
29603	0505119274.128		1208
29604	0505119274.129		1224
29605	0505119274.130		1308
29606	0505119274.131		1319
29607	0505119274.132		1242

Relinquished by:	Accepted by:	Date:	Time:
<i>[Signature]</i>	<i>[Signature]</i>	5/10/11	10:29

Comments, Special Requirements or Regulations:  
Tier 2 report  
\* Run MS/MSD w/ extra sample volume.

Turnaround:	CT/RI	MA	Data Format
<input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other	<input type="checkbox"/> RCP Cert. <input type="checkbox"/> GW Protect. <input type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input type="checkbox"/> SW Protect. <input type="checkbox"/> Res. Vol. <input type="checkbox"/> Ind. Vol. <input type="checkbox"/> Res. Criteria <input type="checkbox"/> Other	<input type="checkbox"/> MCP Cert. <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> MWRA eSMART <input type="checkbox"/> Other	<input type="checkbox"/> Excel <input checked="" type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> Other

Data Package:  
☐ ASP-A  
☐ NJ Reduced Deliv.\*  
☐ NJ Hazsite EDD  
☒ Phoenix Std Report  
☐ Other

State where samples were collected: VT





# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: service@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Temp 4 Pg 4 of 4

## Data Delivery:

☐ Fax #:  
☒ Email:

Project P.O.: 08-205353.00  
Phone #: 802-241-4131  
Fax #: 802-244-6894

Project: GMP Plant 4 Building  
Report to: L. Woodward-ECS  
Invoice to: C. Rock-GMP

Analysis Request  
PCB w/ solvent ext

Soil VOA [Methanol] [S. Butylate] [H2O]  
GL Soil container ( ) 02  
GL Amber 100ml [As is] [H2SO4]  
PL As is [ ] 250ml [ ] 500ml [ ] 1000ml  
PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml  
PL NaOH 250ml  
Bacteria Bottle

Customer Sample Identification  
Date 5-5-11

Matrix Code:  
DW=drinking water  
SL=sludge  
WW=wastewater  
S=soil/solid  
O=other  
GND=groundwater  
A=air  
B=Building

Phoenix Sample #  
Customer Sample Identification  
Sample Matrix  
Date Sampled  
Time Sampled

291620 0505119274.118 Dup B 5-5-11 1110 X  
291621 0505119274.123 Dup B 5-5-11 1110 X  
291622 0505119274.109 Dup B 5-5-11 0914 X  
291623 0505119274.112 Dup B 5-5-11 0914 X  
291624 0505119274.137 W 5-5-11 0948 X  
Equipment Blank

Relinquished by: Cheryl Lee  
Accepted by: Cheryl Lee  
Date: 5/10/11  
Time: 10:33

Comments, Special Requirements or Regulations:  
\*Added to CAC - emailed client 5/10/11

State where samples were collected: VT

Turnaround:  
☐ 1 Day\*  
☐ 2 Days\*  
☐ 3 Days\*  
☒ Standard  
☐ Other

CT/RI:  
☐ RCP Cert.  
☐ GW Protect.  
☐ GA Mobility  
☐ GB Mobility  
☐ SW Protect.  
☐ Res. Vol.  
☐ Ind. Vol.  
☐ Res. Criteria  
☐ Other

MA:  
☐ MCP Cert.  
☐ GW-1  
☐ GW-2  
☐ GW-3  
☐ S-1  
☐ S-2  
☐ S-3  
☐ MWRA eSMART  
☐ Other

Data Format:  
☐ Excel  
☒ PDF  
☐ GIS/Key  
☐ EQUIS  
☐ Other

Data Package:  
☐ ASP-A  
☐ NJ Reduced Deliv. \*  
☐ NJ Hazsite EDD  
☒ Phoenix Std Report  
☐ Other



Tuesday, May 24, 2011

Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

Project ID: GMP PLANT #4 BUILDING  
Sample ID#s: BA32065 - BA32085

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



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Tel. (860) 645-1102 Fax (860) 645-0823



**TIER II DELIVERABLE**

**Client: ECS**  
**Project: GMP PLANT #4 BUILDING**  
**Laboratory Project: GBA32065**



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040  
Tel. (860) 645-1102 Fax (860) 645-0823



## **TIER II Deliverables Format**

**May 25, 2011**

**SDG I.D.: GBA32065**

**ECS GMP PLANT #4 BUILDING**

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### **Methodology Summary**

#### **Polychlorinated Biphenyls (PCBs)/Pesticides:**

Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 608) as printed in 40CFR part 136.

#### **Polychlorinated Biphenyls (PCBs):**

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Extraction Method 3540C.

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

---



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## TIER II Deliverables Format

May 25, 2011

SDG I.D.: GBA32065

ECS GMP PLANT #4 BUILDING

---

### Sample Id Cross Reference

Client Id	Lab Id	Matrix
0512119274.157	BA32065	SOLID
0512119274.158	BA32066	SOLID
0512119274.159	BA32067	SOLID
0512119274.160	BA32068	SOLID
0512119274.161	BA32069	SOLID
0512119274.162	BA32070	SOLID
0512119274.163	BA32071	SOLID
0512119274.164	BA32072	SOLID
EQUIPMENT BLANK	BA32073	WATER
0512119274.145	BA32074	SOLID
0512119274.146	BA32075	SOLID
0512119274.147	BA32076	SOLID
0512119274.148	BA32077	SOLID
0512119274.149	BA32078	SOLID
0512119274.150	BA32079	SOLID
0512119274.151	BA32080	SOLID
0512119274.152	BA32081	SOLID
0512119274.153	BA32082	SOLID
0512119274.154	BA32083	SOLID
0512119274.155	BA32084	SOLID
0512119274.156	BA32085	SOLID

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Tel. (860) 645-1102 Fax (860) 645-0823



## TIER II Deliverables Format

May 25, 2011

SDG I.D.: GBA32065

ECS GMP PLANT #4 BUILDING

### Laboratory Chronicle

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BA32065	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32066	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32067	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32068	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32069	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32070	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32071	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32072	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32073	Polychlorinated Biphenyls	05/12/11	05/17/11	05/19/11	MH	Y
BA32074	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32075	PCB (Soxhlet)	05/12/11	05/18/11	05/19/11	MH	Y
BA32076	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32077	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32078	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32079	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32080	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32081	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32082	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32083	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32084	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y
BA32085	PCB (Soxhlet)	05/12/11	05/17/11	05/18/11	MH	Y



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 15:32  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32065

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.157

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	88		%	05/18/11		MH	3540C/8082
% TCMX	82		%	05/18/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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May 25, 2011



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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 15:45  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32066

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.158

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	100		%	05/18/11		MH	3540C/8082
% TCMX	69		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 15:50  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32067

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.159

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	1300	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	88		%	05/18/11		MH	3540C/8082
% TCMX	78		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 16:00  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32068

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.160

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	96		%	05/18/11		MH	3540C/8082
% TCMX	71		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 16:05  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32069

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.161

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	340	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	81		%	05/18/11		MH	3540C/8082
% TCMX	75		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/12/11	16:10
05/17/11	11:23

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32070

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.162

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/19/11		LB	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	80		%	05/18/11		MH	3540C/8082
% TCMX	68		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 16:15  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32071

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.163

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/19/11		LB	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	89		%	05/18/11		MH	3540C/8082
% TCMX	76		%	05/18/11		MH	3540C/8082

### Comments:

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May 25, 2011



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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-20535

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/12/11	16:20
05/17/11	11:23

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32072

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.164

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
MS/MSD Ext. For PCB	Completed			05/18/11			
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	440	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	84		%	05/18/11		MH	3540C/8082
% TCMX	84		%	05/18/11		MH	3540C/8082

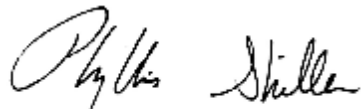
Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

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**Phyllis Shiller, Laboratory Director**

**May 25, 2011**



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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: WATER  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 15:24  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32073

Project ID: GMP PLANT #4 BUILDING

Client ID: EQUIPMENT BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			05/17/11		TH	SW3510C
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	4.5	ug/L	05/19/11		MH	608/ 8082
PCB-1221	ND	4.5	ug/L	05/19/11		MH	608/ 8082
PCB-1232	ND	4.5	ug/L	05/19/11		MH	608/ 8082
PCB-1242	ND	4.5	ug/L	05/19/11		MH	608/ 8082
PCB-1248	ND	4.5	ug/L	05/19/11		MH	608/ 8082
PCB-1254	ND	4.5	ug/L	05/19/11		MH	608/ 8082
PCB-1260	ND	4.5	ug/L	05/19/11		MH	608/ 8082
PCB-1262	ND	4.5	ug/L	05/19/11		MH	608/ 8082
PCB-1268	ND	4.5	ug/L	05/19/11		MH	608/ 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	97		%	05/19/11		MH	608/ 8082
% TCMX	81		%	05/19/11		MH	608/ 8082

### Comments:

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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/12/11	14:08
05/17/11	11:23

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32074

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.145

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	85		%	05/18/11		MH	3540C/8082
% TCMX	78		%	05/18/11		MH	3540C/8082

### Comments:

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Phyllis Shiller, Laboratory Director

May 25, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

05/12/11 14:15  
05/17/11 11:23

### Time

## Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32075

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.146

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/20/11		JL	E160.3
Extraction for PCB	Completed			05/18/11		/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/19/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/19/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/19/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/19/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/19/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/19/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/19/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/19/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/19/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	94		%	05/19/11		MH	3540C/8082
% TCMX	92		%	05/19/11		MH	3540C/8082

Parameter	Result	RL	Units	Date	Time	By	Reference
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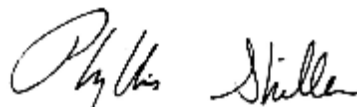
Comments:

EQUIPMENT BLANK INCLUDED

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**Phyllis Shiller, Laboratory Director**  
**May 25, 2011**



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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/12/11	14:18
05/17/11	11:23

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32076

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.147

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	84		%	05/18/11		MH	3540C/8082
% TCMX	79		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 14:30  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32077

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.148

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	84		%	05/18/11		MH	3540C/8082
% TCMX	72		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

05/12/11 14:38  
05/17/11 11:23

### Time

## Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32078

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.149

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	83		%	05/18/11		MH	3540C/8082
% TCMX	80		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 14:42

Time

05/17/11 11:23

### Laboratory Data

SDG ID: GBA32065

Phoenix ID: BA32079

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.150

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82		%	05/18/11		MH	3540C/8082
% TCMX	78		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 14:46  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32080

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.151

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	84		%	05/18/11		MH	3540C/8082
% TCMX	82		%	05/18/11		MH	3540C/8082

### Comments:

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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 14:52  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32081

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.152

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	86		%	05/18/11		MH	3540C/8082
% TCMX	80		%	05/18/11		MH	3540C/8082

### Comments:

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May 25, 2011



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## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

05/12/11 15:05  
05/17/11 11:23

### Time

## Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32082

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.153

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
MS/MSD Ext. For PCB	Completed			05/18/11			
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
QC for PCB	Completed			05/19/11		MH	
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82		%	05/18/11		MH	3540C/8082
% TCMX	73		%	05/18/11		MH	3540C/8082

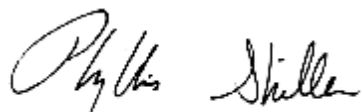
Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

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**Phyllis Shiller, Laboratory Director**

**May 25, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

### Date

05/12/11 15:15  
05/17/11 11:23

### Time

## Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32083

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.154

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82		%	05/18/11		MH	3540C/8082
% TCMX	80		%	05/18/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

May 25, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
05/12/11	15:18
05/17/11	11:23

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32084

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.155

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	82		%	05/18/11		MH	3540C/8082
% TCMX	81		%	05/18/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 25, 2011



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

May 24, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT  
Rush Request:  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LB  
Analyzed by: see "By" below

Date

05/12/11 15:23  
05/17/11 11:23

Time

### Laboratory Data

SDG ID: GBA32065  
Phoenix ID: BA32085

Project ID: GMP PLANT #4 BUILDING

Client ID: 0512119274.156

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	05/18/11		JL	E160.3
Extraction for PCB	Completed			05/17/11		BB/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	05/18/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	05/18/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	81		%	05/18/11		MH	3540C/8082
% TCMX	77		%	05/18/11		MH	3540C/8082

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

May 25, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## QA/QC Report

May 25, 2011

### QA/QC Data

SDG I.D.: GBA32065

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
-----------	-------	----------	-----------	------------	-------------	-----------------	-----

QA/QC Batch 177067, QC Sample No: BA31780 (BA32073)

#### Polychlorinated Biphenyls

PCB-1016	ND	88	86	2.3			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	87	84	3.5			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	75	92	85	7.9			
% TCMX (Surrogate Rec)	80	80	82	2.5			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 177052, QC Sample No: BA32082 (BA32065, BA32066, BA32067, BA32068, BA32069, BA32070, BA32071, BA32072, BA32074, BA32076, BA32077, BA32078, BA32079, BA32080, BA32081, BA32082, BA32083, BA32084, BA32085)

#### Polychlorinated Biphenyls

PCB-1016	ND	83	89	7.0	98	107	8.8
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	86	91	5.6	101	109	7.6
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	75	70	73	4.2	77	86	11.0
% TCMX (Surrogate Rec)	118	102	107	4.8	73	79	7.9

QA/QC Batch 177054, QC Sample No: BA32104 (BA32075)

#### Polychlorinated Biphenyls

PCB-1016	ND	91	93	2.2	93	93	0.0
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	106	103	2.9	125	114	9.2
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	83	88	86	2.3	83	84	1.2
% TCMX (Surrogate Rec)	74	77	78	1.3	76	77	1.3

## QA/QC Data

SDG I.D.: GBA32065

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
-----------	-------	----------	-----------	------------	-------------	-----------------	-----

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

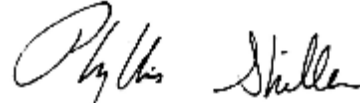
LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria



Phyllis Shiller, Laboratory Director  
May 25, 2011



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## Project Narrative

May 25, 2011

SDG ID.: GBA32065

---

### PCB Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

**Instrument:** Au-ecd5 05/19/11-1 (BA32073, BA32075, BA32082)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 5/19/2011

**Instrument:** Au-ecd8 05/18/11-1 (BA32065, BA32066, BA32067, BA32068, BA32069, BA32070, BA32071, BA32072, BA32074, BA32076, BA32077, BA32078, BA32079, BA32080, BA32081, BA32082, BA32083, BA32084, BA32085)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn

**Position:** Chemist

**Date:** 5/18/2011

**QC Comments:** QC Batch 77067 05/17/11 (BA32073)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.



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## Project Narrative

May 25, 2011

SDG ID.: GBA32065

---

### QC (Site Specific)

----- Sample No: BA32082 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

### QC (Batch Specific)

----- Sample No: BA31780 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

----- Sample No: BA32104 -----

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.



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## Laboratory Modified Tier II Data Validation Checklist

May 24, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA32065

	Yes	No	Na	Comment
1. SDG Project Narrative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Traffic Report	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Volatiles Data				
a. <u>Sample Data</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For Each Sample:				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				
Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Standard area summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate percent recovery summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
For Each Sample:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TIC compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Semivolatiles Data				
a. <u>Sample Data</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For Each Sample:				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				



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Tel. (860) 645-1102 Fax (860) 645-0823

## Laboratory Modified Tier II Data Validation Checklist

May 24, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA32065

	Yes	No	Na	Comment
4. b. Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Standards areas summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate Percent Recovery Summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TCL compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GPC chromatograms (if GOC performed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. GC Data				
a. <u>Sample Data</u>				
Chromatograms	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Percent solids calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards</u>				
Initial Calibration data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Continuing Calibration data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
c. <u>QC Data</u>				
Method Blank data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Miscellaneous				



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## Laboratory Modified Tier II Data Validation Checklist

May 24, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA32065

		Yes	No	Na	Comment
6.	Original preparation and analysis forms or copies of preparation and analysis log book pages	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
	Internal sample & sample extract transfer chain-of-custody records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
	Screening records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
	All instrument output, including strip charts from screening activities (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Chain-of-Custody Records				
	Chain-of-Custody documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Sample log-in sheet (lab & DC1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Miscellaneous shipping/receiving records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Internal lab sample transfer records and tracking	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Available upon request
9.	Other Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Comments (see attached)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Completed by: \_\_\_\_\_  
(Lab)

Greg Lawrence, Assistant Lab Director  
(Printed Name/Title)

25-May-11  
Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for five (5) years following certification of this document.

Certified by: \_\_\_\_\_  
(Lab)

Greg Lawrence, Assistant Lab Director  
(Printed Name/Title)

25-May-11  
Date



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: service@phoenixlabs.com Fax (860) 645-0823

Environmental Laboratories, Inc.

Temp 20°C Pg 1 of 2

Data Delivery:  
☐ Fax #  
☒ Email:

Customer: ECS  
Address: 1 Elm St, Suite 3  
Waterbury VT  
Project P.O: 08-205353.00  
Report to: L. Woodard - ECS  
Invoice to: C. Rock - GMP  
Phone #: 802-241-4131  
Fax #: 802-244-6894

Client Services (860) 645-8726

Client Sample - Information - Identification				Analysis Request	
Sampler's Signature: L. Woodard	Date: 5/12/11				
Matrix Code:					
DW = drinking water	WW = wastewater	S = soil/solid	O = other		
GW = groundwater	SL = sludge	A = air	B = Building		
Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	
320065	0512119274.157	B	5/12/11	1532	X
320066	0512119274.158			1545	
320067	0512119274.159			1550	
320068	0512119274.160			1600	
320069	0512119274.161			1605	
320070	0512119274.162			1610	
320071	0512119274.163			1615	
320072	0512119274.164			1620	
320073	0512119274.163dup			1506	
320074	0512119274.164dup			1621	
320075	Equipment Blank W			1524	
320076					

Relinquished by: Tedex	Accepted by: Charles Xu	Date: 5/17/11	Time: 11:53
Turnaround: <input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other			
CT/RI: <input type="checkbox"/> RCP Cert. <input type="checkbox"/> GW Protect. <input type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input type="checkbox"/> SW Protect. <input type="checkbox"/> Res. Vol. <input type="checkbox"/> Ind. Vol. <input type="checkbox"/> Res. Criteria <input type="checkbox"/> Other			
MA: <input type="checkbox"/> MCP Cert. <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> MWRA eSMART <input type="checkbox"/> Other			
Data Format: <input type="checkbox"/> Excel <input checked="" type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> Other			
Data Package: <input type="checkbox"/> ASP-A <input type="checkbox"/> NJ Reduced Deliv.* <input type="checkbox"/> NJ Hazsite EDD <input checked="" type="checkbox"/> Phoenix Std Report <input type="checkbox"/> Other			
State where samples were collected: VT			

Comments, Special Requirements or Regulations:

Tier 2 report please,  
Run ms/msd on extra sample volume please.





Thursday, August 25, 2011

Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

Project ID: GMP PLANT #4 BUILDING  
Sample ID#s: BA66442 - BA66467

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #MA-CT-007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B  
NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



**Environmental Laboratories, Inc.**  
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Tel. (860) 645-1102 Fax (860) 645-0823



**TIER II DELIVERABLE**

**Client: ECS**  
**Project: GMP PLANT #4 BULDING**  
**Laboratory Project: GBA66442**



**Environmental Laboratories, Inc.**  
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## **TIER II Deliverables Format**

**August 26, 2011**

**SDG I.D.: GBA66442**

**ECS GMP PLANT #4 BUILDING**

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### **Methodology Summary**

#### **Polychlorinated Biphenyls (PCBs)/Pesticides:**

Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 608) as printed in 40CFR part 136.

#### **Polychlorinated Biphenyls (PCBs):**

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Extraction Method 3540C.

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

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## TIER II Deliverables Format

August 26, 2011

SDG I.D.: GBA66442

ECS GMP PLANT #4 BULDING

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### Sample Id Cross Reference

Client Id	Lab Id	Matrix
0818119274.51	BA66442	SOLID
0818119274.32	BA66443	SOLID
0818119274.191	BA66444	SOLID
0818119274.45	BA66445	SOLID
0818119274.27	BA66446	SOLID
0818119274.192	BA66447	SOLID
0818119274.29	BA66448	SOLID
0818119274.30	BA66449	SOLID
0818119274.28	BA66450	SOLID
0818119274.26	BA66451	SOLID
0818119274.187	BA66452	SOLID
0818119274.190	BA66453	SOLID
0818119274.31	BA66454	SOLID
0818119274.188	BA66455	SOLID
0818119274.189	BA66456	SOLID
0818119274.186	BA66457	SOLID
0818119274.41	BA66458	SOLID
0818119274.38	BA66459	SOLID
0818119274.184	BA66460	SOLID
0818119274.33	BA66461	SOLID
0818119274.194	BA66462	WATER
0818119274.185	BA66463	SOLID
0818119274.23	BA66464	SOLID
0818119274.25	BA66465	SOLID
0818119274.193	BA66466	SOLID
CRANE OIL	BA66467	OIL

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## TIER II Deliverables Format

August 26, 2011

SDG I.D.: GBA66442

ECS GMP PLANT #4 BUILDING

### Laboratory Chronicle

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BA66442	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66443	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66444	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66445	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66446	PCB (Soxhlet)	08/18/11	08/18/11	08/24/11	MH	Y
BA66447	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66448	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66449	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66450	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66451	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66452	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66453	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66454	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66455	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66456	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66457	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66458	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66459	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66460	PCB (Soxhlet)	08/18/11	08/22/11	08/24/11	MH	Y
BA66461	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66462	Polychlorinated Biphenyls	08/18/11	08/19/11	08/22/11	MH	Y
BA66463	PCB (Soxhlet)	08/18/11	08/18/11	08/22/11	MH	Y
BA66464	PCB (Soxhlet)	08/18/11	08/19/11	08/22/11	MH	Y
BA66465	PCB (Soxhlet)	08/18/11	08/19/11	08/22/11	MH	Y
BA66466	PCB (Soxhlet)	08/18/11	08/19/11	08/22/11	MH	Y
BA66467	Polychlorinated Biphenyls	08/18/11	08/19/11	08/23/11	MH	Y



Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

08/18/11

Time

13:20

08/19/11

10:25

### Laboratory Data

SDG ID: GBA66442

Phoenix ID: BA66442

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.51

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	3100	320	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	94		%	08/22/11		MH	40 - 140 %
% TCMX	84		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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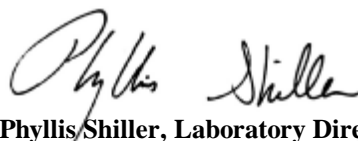
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**August 26, 2011**



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

08/18/11

Time

12:52

08/19/11

10:25

### Laboratory Data

SDG ID: GBA66442

Phoenix ID: BA66443

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.32

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	19000	3300	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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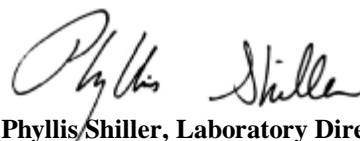
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date	Time
08/18/11	12:28
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66444

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.191

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	330000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	330000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	330000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	330000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	330000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	3400000	330000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	ND	330000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	330000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	330000	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

### Comments:

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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	12:32
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66445

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.45

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	3100	330	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	106		%	08/22/11		MH	40 - 140 %
% TCMX	86		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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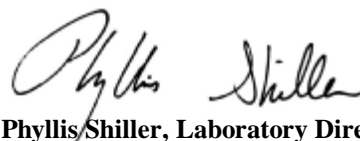
Comments:

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**August 26, 2011**



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	12:37
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66446

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.27

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	1600	ug/Kg	08/24/11		MH	3540C/8082
PCB-1221	ND	1600	ug/Kg	08/24/11		MH	3540C/8082
PCB-1232	ND	1600	ug/Kg	08/24/11		MH	3540C/8082
PCB-1242	ND	1600	ug/Kg	08/24/11		MH	3540C/8082
PCB-1248	ND	1600	ug/Kg	08/24/11		MH	3540C/8082
PCB-1254	*	1600	ug/Kg	08/24/11		MH	3540C/8082
PCB-1260	*	1600	ug/Kg	08/24/11		MH	3540C/8082
PCB-1262	ND	1600	ug/Kg	08/24/11		MH	3540C/8082
PCB-1268	ND	1600	ug/Kg	08/24/11		MH	3540C/8082
Total PCBs	23000	1600	ug/Kg	08/24/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/24/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/24/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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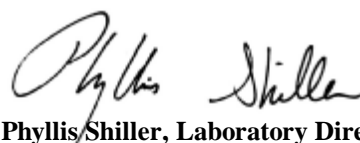
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

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**August 26, 2011**



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	12:19
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66447

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.192

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	3200	330	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	100		%	08/22/11		MH	40 - 140 %
% TCMX	86		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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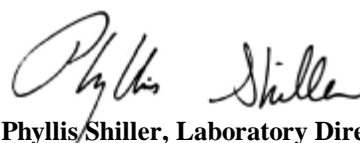
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**August 26, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	11:53
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66448

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.29

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	320	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	320	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	3700	320	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	102		%	08/22/11		MH	40 - 140 %
% TCMX	81		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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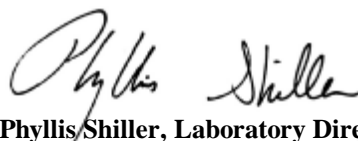
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

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**August 26, 2011**



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	11:47
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66449

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.30

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	6400	1600	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**August 26, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	11:40
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66450

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.28

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	21000	3300	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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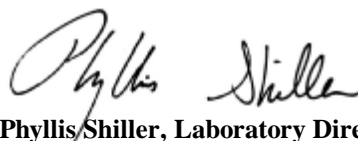
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

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ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**August 26, 2011**



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

08/18/11

Time

13:00

08/19/11

10:25

### Laboratory Data

SDG ID: GBA66442

Phoenix ID: BA66451

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.26

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
MS/MSD Ext. For PCB	Completed			08/22/11			
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
QC for PCB	Completed			08/25/11		MH	
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	660	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	660	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	660	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	660	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	660	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	660	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	660	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	660	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	660	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	5500	660	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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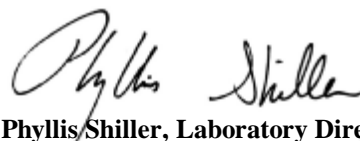
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

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**August 26, 2011**



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

08/18/11

Time

13:11

08/19/11

10:25

### Laboratory Data

SDG ID: GBA66442

Phoenix ID: BA66452

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.187

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	8900	1600	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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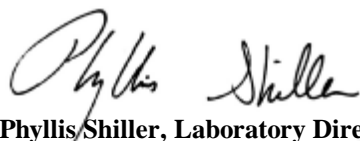
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

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**August 26, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date	Time
08/18/11	12:46
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66453

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.190

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	ND	1600000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	1600000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	1600000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	1600000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	1600000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	9000000	1600000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	ND	1600000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	1600000	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	1600000	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

### Comments:

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August 26, 2011



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

08/18/11

Time

12:51

08/19/11

10:25

### Laboratory Data

SDG ID: GBA66442

Phoenix ID: BA66454

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.31

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	17000	1600	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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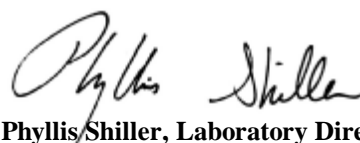
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**August 26, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	13:05
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66455

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.188

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	4200	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	100		%	08/22/11		MH	40 - 140 %
% TCMX	79		%	08/22/11		MH	40 - 140 %

### Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 26, 2011



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	12:56
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66456

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.189

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	2200	330	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	99		%	08/22/11		MH	40 - 140 %
% TCMX	82		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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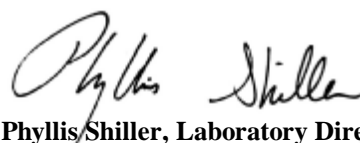
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**August 26, 2011**



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Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	11:22
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66457

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.186

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	330	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	330	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	3600	330	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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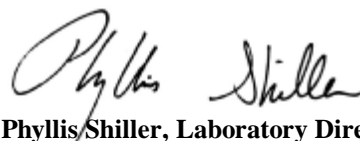
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**August 26, 2011**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	11:35
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66458

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.41

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	12000	1600	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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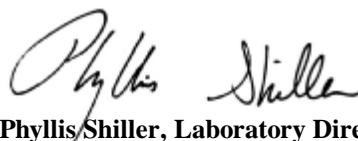
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**August 26, 2011**



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	10:54
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66459

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.38

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	11000	1600	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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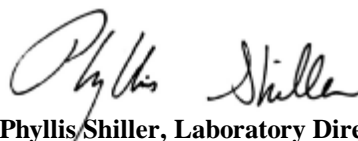
Comments:

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**August 26, 2011**



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date      Time  
08/18/11      11:13  
08/19/11      10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66460

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.184

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
MS/MSD Ext. For PCB	Completed			08/23/11			
Extraction for PCB	Completed			08/22/11		BB/K	SW3540C
QC for PCB	Completed			08/25/11		MH	
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	720	ug/Kg	08/24/11		MH	3540C/8082
PCB-1221	ND	720	ug/Kg	08/24/11		MH	3540C/8082
PCB-1232	ND	720	ug/Kg	08/24/11		MH	3540C/8082
PCB-1242	ND	720	ug/Kg	08/24/11		MH	3540C/8082
PCB-1248	ND	720	ug/Kg	08/24/11		MH	3540C/8082
PCB-1254	*	720	ug/Kg	08/24/11		MH	3540C/8082
PCB-1260	*	720	ug/Kg	08/24/11		MH	3540C/8082
PCB-1262	ND	720	ug/Kg	08/24/11		MH	3540C/8082
PCB-1268	ND	720	ug/Kg	08/24/11		MH	3540C/8082
Total PCBs	11000	720	ug/Kg	08/24/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	106		%	08/24/11		MH	40 - 140 %
% TCMX	80		%	08/24/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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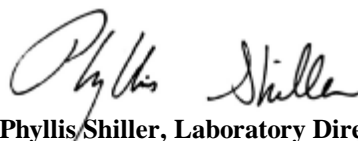
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

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**August 26, 2011**



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	10:47
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66461

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.33

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	3300	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	15000	3300	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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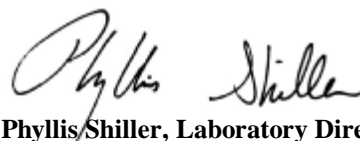
Comments:

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**August 26, 2011**



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: WATER  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date	Time
08/18/11	12:41
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66462

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.194

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Extraction	Completed			08/19/11		L/L	SW3510C
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	ND	17	ug/L	08/22/11		MH	608/ 8082
PCB-1221	ND	17	ug/L	08/22/11		MH	608/ 8082
PCB-1232	ND	17	ug/L	08/22/11		MH	608/ 8082
PCB-1242	ND	17	ug/L	08/22/11		MH	608/ 8082
PCB-1248	ND	17	ug/L	08/22/11		MH	608/ 8082
PCB-1254	ND	17	ug/L	08/22/11		MH	608/ 8082
PCB-1260	ND	17	ug/L	08/22/11		MH	608/ 8082
PCB-1262	ND	17	ug/L	08/22/11		MH	608/ 8082
PCB-1268	ND	17	ug/L	08/22/11		MH	608/ 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	101		%	08/22/11		MH	40 - 140 %
% TCMX	95		%	08/22/11		MH	40 - 140 %

### Comments:

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August 26, 2011



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	11:25
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66463

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.185

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/18/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	19000	1600	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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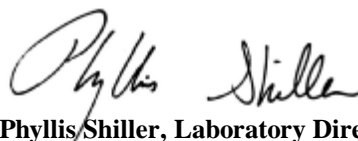
Comments:

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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**Phyllis Shiller, Laboratory Director**

**August 26, 2011**



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	11:05
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66464

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.23

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/19/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	22000	1600	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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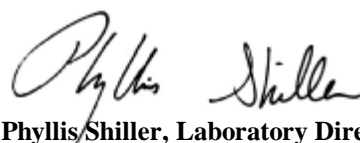
Comments:

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**Phyllis Shiller, Laboratory Director**

**August 26, 2011**



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
08/18/11	11:00
08/19/11	10:25

### Laboratory Data

SDG ID: GBA66442  
Phoenix ID: BA66465

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.25

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/19/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	1700	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	1700	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	1700	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	1700	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	1700	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	1700	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	1700	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	1700	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	1700	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	10000	1700	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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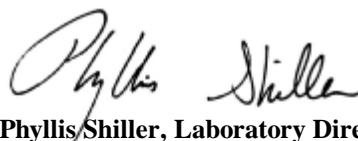
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**August 26, 2011**



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: SOLID  
Location Code: ECS-WAT | 0818119274  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

08/18/11

Time

11:06

08/19/11

10:25

### Laboratory Data

SDG ID: GBA66442

Phoenix ID: BA66466

Project ID: GMP PLANT #4 BULDING

Client ID: 0818119274.193

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	08/22/11		JL	E160.3
Extraction for PCB	Completed			08/19/11		LT/K	SW3540C
<b><u>PCB (Soxhlet)</u></b>							
PCB-1016	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1221	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1232	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1242	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1248	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1254	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1260	*	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1262	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
PCB-1268	ND	1600	ug/Kg	08/22/11		MH	3540C/8082
Total PCBs	18000	1600	ug/Kg	08/22/11		MH	3540C/8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/22/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/22/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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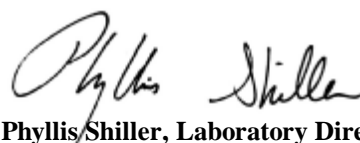
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1254 and 1260.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**Phyllis Shiller, Laboratory Director**

**August 26, 2011**



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## Analysis Report

August 25, 2011

FOR: Attn: Ms. Laura Woodard  
ECS  
1 Elm St., Suite 3  
Waterbury, VT 05676

### Sample Information

Matrix: OIL  
Location Code: ECS-WAT | CRANE OIL  
Rush Request: RUSH##  
P.O.#: 08-205353.00

### Custody Information

Collected by: LW  
Received by: LDF  
Analyzed by: see "By" below

Date

08/18/11

Time

14:15

08/19/11

10:25

### Laboratory Data

SDG ID: GBA66442

Phoenix ID: BA66467

Project ID: GMP PLANT #4 BULDING

Client ID: CRANE OIL

Parameter	Result	RL	Units	Date	Time	By	Reference
Waste Dilution PCB	Completed			08/19/11		M/M	SW8082
<b><u>Polychlorinated Biphenyls</u></b>							
PCB-1016	*	10	mg/kg	08/23/11		MH	SW 8082
PCB-1221	ND	10	mg/kg	08/23/11		MH	SW 8082
PCB-1232	ND	10	mg/kg	08/23/11		MH	SW 8082
PCB-1242	ND	10	mg/kg	08/23/11		MH	SW 8082
PCB-1248	*	10	mg/kg	08/23/11		MH	SW 8082
PCB-1254	*	10	mg/kg	08/23/11		MH	SW 8082
PCB-1260	ND	10	mg/kg	08/23/11		MH	SW 8082
PCB-1262	ND	10	mg/kg	08/23/11		MH	SW 8082
PCB-1268	ND	10	mg/kg	08/23/11		MH	SW 8082
Total PCBs	51	10	mg/kg	08/23/11		MH	SW 8082
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	08/23/11		MH	40 - 140 %
% TCMX	Diluted Out		%	08/23/11		MH	40 - 140 %

Parameter	Result	RL	Units	Date	Time	By	Reference
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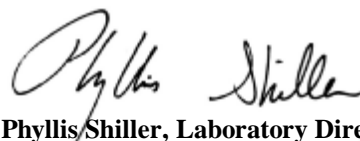
Comments:

\* For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1016 and 1248 and 1254.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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**August 26, 2011**



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## QA/QC Report

August 26, 2011

### QA/QC Data

SDG I.D.: GBA66442

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 182824, QC Sample No: BA64496 (BA66462)

#### Polychlorinated Biphenyls

PCB-1016	ND	101	103	2.0				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	99	102	3.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	95	115	118	2.6				40 - 140	20
% TCMX (Surrogate Rec)	80	94	93	1.1				40 - 140	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 182955, QC Sample No: BA66451 (BA66442, BA66443, BA66444, BA66445, BA66446, BA66447, BA66448, BA66449, BA66450, BA66451, BA66452, BA66453, BA66454, BA66455, BA66456, BA66457, BA66458, BA66459, BA66461, BA66463)

#### Polychlorinated Biphenyls

PCB-1016	ND	78	82	5.0				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	89	92	3.3				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	84	74	76	2.7				40 - 140	30
% TCMX (Surrogate Rec)	86	73	74	1.4				40 - 140	30

Comment:

\* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 183032, QC Sample No: BA66460 (BA66460, BA66464, BA66465, BA66466)

#### Polychlorinated Biphenyls

PCB-1016	ND	68	78	13.7				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	64	67	4.6				40 - 140	30

## QA/QC Data

SDG I.D.: GBA66442

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	63	60	63	4.9				40 - 140	30
% TCMX (Surrogate Rec)	84	76	79	3.9				40 - 140	30

Comment:

\* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 183041, QC Sample No: BA66467 (BA66467)

### Polychlorinated Biphenyls

PCB-1016	ND	95	86	9.9				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	82	74	10.3				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
%DCBP (Surrogate Rec)	65	70	71	1.4				40 - 140	30
%TCMX (Surrogate Rec)	83	91	88	3.4				40 - 140	30

Comment:

\* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria



Phyllis Shiller, Laboratory Director

August 26, 2011



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# Project Narrative

August 26, 2011

SDG I.D.: GBA66442

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## PCB Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

**Instrument:** Au-ecd1 08/22/11-1 (BA66442, BA66444, BA66445, BA66447, BA66448, BA66453, BA66454, BA66455, BA66456, BA66457, BA66463, BA66464, BA66466)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 8/22/2011

**Instrument:** Au-ecd1 08/23/11-1 (BA66443, BA66449, BA66450, BA66451, BA66452, BA66458, BA66459, BA66461, BA66465)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 8/23/2011

**Instrument:** Au-ecd7 08/22/11-1 (BA66462)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 8/22/2011

**Instrument:** Au-ecd7 08/24/11-1 (BA66446, BA66460, BA66467)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none



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## Project Narrative

August 26, 2011

SDG ID.: GBA66442

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The continuing calibration standards were within acceptance criteria except for the following compounds: none

**Printed Name** Michael Hahn  
**Position:** Chemist  
**Date:** 8/24/2011

**QC Comments:** QC Batch 82824 08/17/11 (BA66462)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

**QC Comments:** QC Batch 82955 08/18/11 (BA66442, BA66443, BA66444, BA66445, BA66446, BA66447, BA66448, BA66449, BA66450, BA66451, BA66452, BA66453, BA66454, BA66455, BA66456, BA66457, BA66458, BA66459, BA66461, BA66463)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

**QC Comments:** QC Batch 83032 08/19/11 (BA66460, BA66464, BA66465, BA66466)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

**QC Comments:** QC Batch 83041 08/19/11 (BA66467)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.



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# Project Narrative

August 26, 2011

SDG I.D.: GBA66442

---

## QC (Site Specific)

----- Sample No: BA66451 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BA66460 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BA66467 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

## QC (Batch Specific)

----- Sample No: BA64496 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.



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## Laboratory Modified Tier II Data Validation Checklist

August 25, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA66442

	Yes	No	Na	Comment
1. SDG Project Narrative	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Traffic Report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Volatiles Data				
a. <u>SampleData</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				
Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Standard area summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate percent recovery summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TIC compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Semivolatiles Data				
a. <u>Sample Data</u>				
Compound List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of target compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Percent solids calculations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards Data (all instruments)</u>				
Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



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## Laboratory Modified Tier II Data Validation Checklist

August 25, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA66442

	Yes	No	Na	Comment
4. b. RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Continuing Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RICs and quant reports for all standards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Standards areas summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. <u>QC Data</u>				
Surrogate Percent Recovery Summary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Method Blank data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tuning and Mass Calibration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. <u>Tentatively Identified Compounds</u>				
<i>For Each Sample:</i>				
Reconstructed total ion chromatograms (RIC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Raw spectra and background-subtracted mass spectra of TCL compounds identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Mass spectra of all reported TICs with three best library matches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GPC chromatograms (if GOC performed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. GC Data				
a. <u>Sample Data</u>				
Chromatograms	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request
Percent solids calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. <u>Standards</u>				
Initial Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request
Continuing Calibration data	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request
Retention time windows	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request
c. <u>QC Data</u>				
Method Blank data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Laboratory Control Sample Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Matrix Spike Duplicate data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Miscellaneous				
Original preparation and analysis forms or copies of preparation and analysis log book pages	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request



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## Laboratory Modified Tier II Data Validation Checklist

August 25, 2011

### ORGANIC COMPOUNDS

SDG ID: GBA66442

		Yes	No	Na	Comment
6.	Internal sample & sample extract transfer chain-of-custody records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request
	Screening records	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request
	All instrument output, including strip charts from screening activities (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request
7.	Chain-of-Custody Records				
	Chain-of-Custody documentation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Sample log-in sheet (lab & DC1)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Miscellaneous shipping/receiving records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request
8.	Internal lab sample transfer records and tracking	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Available upon request
9.	Other Records (describe or list)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Comments (see attached)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Completed by: \_\_\_\_\_  
(Lab)

Greg Lawrence, Assistant Lab Director  
(Printed Name/Title)

26-Aug-11  
Date

I certify that the above information is true and accurate. I further certify that all laboratory results associated with the above analyses will be made available for review for five (5) years following certification of this document.

Certified by: \_\_\_\_\_  
(Lab)

Greg Lawrence, Assistant Lab Director  
(Printed Name/Title)

26-Aug-11  
Date



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: service@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Temp 6 Pg 1 of 3

## Data Delivery:

☐ Fax #

☒ Email: woodward@ecsconsulting.com

Customer: ECS

Address: 1 Elm St, Suite 3

Waterbury VT 05676

Project: GMP Plant #4 Building

Report to: L. Woodward - ECS

Invoice to: Carri Rock - GMP

Project P.O: 08-205353.00

Phone #: 802-241-4131

Fax #: 802-244-6894

## Client Sample - Information - Identification

Sampler's Signature Lana Woodward

Date 8/18/11

## Matrix Code:

DW=drinking water

GW=groundwater

WW=wastewater

SL=sludge

A=air

C=concrete

S=soil/solid

O=other

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
660442	0818119274.51*	C	8/18/11	1320
660443	0818119274.32			1252
660444	0818119274.191			1238
660445	0818119274.45			1232
660446	0818119274.27			1237
660447	0818119274.192			1219
660448	0818119274.51 *			1320
660449	0818119274.39			1153
660450	0818119274.30			1147
660451	0818119274.28			1140
660452	0818119274.26			1360
660453	0818119274.187			1311

Relinquished by: [Signature]

Accepted by: [Signature]

Date: 8-18-11

Time: 15:35

Date: 8/18/11

Time: 17:00

Date: 8/17

Time: 10:25

Comments, Special Requirements or Regulations:

Please provide Tier 2 data package for EPA  
\* Emailed client on dupl. # But no extra  
Please run WSLMSD samples on this data set.  
V = WSLMSD

Analysis Request

PCB w/ Soxhlet Ext

Soil VOA [Methanol] [S. Butylate] [H2O]	
GL Soil container ( ) oz	
GL Amber 1000ml [As is] [H2SO4]	
PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	
PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	
PL HNO3 250ml	
Bacteria Bottle	

Turnaround:

☐ 1 Day\*

☐ 2 Days\*

☒ 3 Days\*

☐ Standard

☐ Other

CT/RI

☐ RCP Cert.

☐ GW Protect.

☐ GA Mobility

☐ GB Mobility

☐ SW Protect.

☐ Res. Vol.

☐ Ind. Vol.

☐ Res. Criteria

☐ Other

MA

☐ MCP Cert.

☐ GW-1

☐ GW-2

☐ GW-3

☐ S-1

☐ S-2

☐ S-3

☐ MWRA eSMART

☐ Other

Data Format

☐ Excel

☒ PDF

☐ GIS/Key

☐ EQUIS

☐ Other

Data Package

☐ ASP-A

☐ NJ Reduced Deliv. \*

☐ NJ Hazsite EDD

☒ Phoenix Std Report

☐ Other

State where samples were collected: VT



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: service@phoenixlabs.com Fax (860) 645-0823

Environmental Laboratories, Inc.

Temp 6 Pg 2 of 3

## Data Delivery:

☐ Fax #  
☒ Email:

Customer: ECs

Address: 1 Elm St. Suite 3  
Waterbury VT 05676

Project: GMP Plant #4 Building

Report to: L. Woodard - ECS

Invoice to: Carri Rock - ECS

Project P.O.: 08-205353.00

Phone #: 862-241-4131

Fax #: 862-244-6894

## Client Sample - Information - Identification

Sampler's Signature Laura Woodard Date 8/18/11

Matrix Code: it = Hexane  
DW = drinking water WW = wastewater S = soil/solid O = other  
GW = groundwater SL = sludge A = air C = concrete

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
060453	0818119274.196	C	8-18-11	1246
060454	0818119274.231			1251
060455	0818119274.188			1305
060456	0818119274.189			1256
060457	0818119274.186			1122
060458	0818119274.41			1135
060459	0818119274.28			1054
060460	0818119274.184			1113
060461	0818119274.33			1047
060462	0818119274.194	H water		1241
060463	0818119274.185	C		1125
060464	0818119274.23	C		1105

Analysis Request

PCB w/ Soaked Ext.

Soil VOA [Methanol] [S. Biskate] [H2O]  
40 ml VOA Vial [As Is] [H2SO4]  
GL Soil Container [H2O]  
GL Amber 100ml [As Is] [H2SO4]  
PL As Is [250ml] [500ml] [1000ml]  
PL H2SO4 [250ml] [500ml] [1000ml]  
PL HNO3 250ml  
Bacteria Bottle

Relinquished by: [Signature]

Accepted by: [Signature]

Date: 8-18-11

Time: 15:35

Turnaround:

CT/RI

MA

Data Format

☐ 1 Day\*  
☐ 2 Days\*  
☒ 3 Days\*  
☐ Standard  
☐ Other

☐ RCP Cert.  
☐ GW Protect.  
☐ GA Mobility  
☐ GB Mobility  
☐ SW Protect.  
☐ Res. Vol.  
☐ Ind. Vol.  
☐ Res. Criteria  
☐ Other

☐ MCP Cert.  
☐ GW-1  
☐ GW-2  
☐ GW-3  
☐ S-1  
☐ S-2  
☐ S-3  
☐ MWRA eSMART  
☐ Other

☐ Excel  
☒ PDF  
☐ GIS/Key  
☐ EQUIS  
☐ Other

Comments, Special Requirements or Regulations:

Please Provide Tier 2 data package for EPA

Please run MS/MSD samples on this data set

✓ MSMSD

Data Package  
☐ ASP-A  
☐ NJ Reduced Deliv.\*  
☐ NJ Hazsite EDD  
☒ Phoenix Std Report  
☐ Other

State where samples were collected: VT



# CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
Email: service@phoenixlabs.com Fax (860) 645-0823

Environmental Laboratories, Inc.

Customer: ECS  
Address: 1 Elm St Suite 3  
Waterbury VT 05676

Project: GMP Plant #4 Building  
Report to: C. Woodward-ECS  
Invoice to: Cari Rock - GMP

Project P.O.: 08-205353.00  
Phone #: 862-241-4131  
Fax #: 862-244-6894

## Client Sample - Information - Identification

Sampler's Signature Laurie Woodward Date 8/19/11

Matrix Code: DW=drinking water WW=wastewater S=soil/solid O=other  
GW=groundwater SL=sludge A=air C=Concrete

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
604465	0818119274.25	C	8-18-11	11:00
604466	0818119274.193	C	8-18-11	11:06
604467	Crane Oil	Oil	8-18-11	1415

Analysis Request

PCB C / Soxhlet Ext

Soil VOA [Methanol] S. Bisulfate [H2O]  
GL Soil Container ( ) oz  
GL Soil Container ( ) oz  
GL Amber Vial As is [H2SO4]  
PL As is [ ] 250ml [ ] 500ml [ ] 1000ml  
PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml  
PL HNO3 250ml  
Bacteria Bottle

Relinquished by: [Signature] Accepted by: [Signature]  
Date: 8-18-11 Time: 15:35  
Date: 8/18/11 Time: 17:00  
Date: 8/19 Time: 10:25

Comments, Special Requirements or Regulations:  
Please Provide Tier 2 data package for EPA  
Please run MS/MSD samples on this data set

Turnaround:  
☐ 1 Day\*  
☐ 2 Days\*  
☒ 3 Days\*  
☐ Standard  
☐ Other

CT/RI  
☐ RCP Cert.  
☐ GW Protect.  
☐ GA Mobility  
☐ GB Mobility  
☐ SW Protect.  
☐ Res. Vol.  
☐ Ind. Vol.  
☐ Res. Criteria  
☐ Other

MA  
☐ MCP Cert.  
☐ GW-1  
☐ GW-2  
☐ GW-3  
☐ S-1  
☐ S-2  
☐ S-3  
☐ MWRA eSMART  
☐ Other

Data Format  
☐ Excel  
☒ PDF  
☐ GIS/Key  
☐ EQUIS  
☐ Other

Data Package  
☐ ASP-A  
☐ NJ Reduced Deliv.\*  
☐ NJ Hazsite EDD  
☐ Phoenix Std Report  
☐ Other

State where samples were collected: VT

**Lisa - phoenixlab.com**

---

**From:** Laura Woodard [lwoodard@ecsconsult.com]  
**Sent:** Friday, August 19, 2011 2:28 PM  
**To:** Lisa - phoenixlab.com  
**Subject:** Re: GMP plant #4 building

Hi Lisa,  
No, we only took one sample at .51.  
Sorry about the duplication on the COC.  
Thanks!  
Laura

On Fri, Aug 19, 2011 at 1:30 PM, Lisa - [phoenixlab.com](mailto:lisa@phoenixlabs.com) <[lisa@phoenixlabs.com](mailto:lisa@phoenixlabs.com)> wrote:

*Good afternoon,*

*On the 1<sup>st</sup> chain of custody (3 received) the # 0818119274.51 on 8/18/11 at 1320 is listed 2 times...but we only received one jar for that sample.*

*I wasn't sure if there was suppose to be a duplicate to that # or not.*

*Lisa Arnold*

Phoenix Environmental Laboratories  
587 East Middle Turnpike  
Manchester, CT 06040  
Ph: 1-860-645-1102  
Fx: 1-860-645-0823

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8/19/2011

--

Laura Woodard  
Hydrogeologist

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fax 802.244.6894

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[www.ecsconsult.com](http://www.ecsconsult.com)

8/19/2011